5350 Monochrome Laser Printer

Operator Manual

visara international

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Important Information

Dependent on the country of purchase the printer supplied will have different build levels and options.

All printers have available as user installable options: hard drives, extended memory, additional trays, duplexer, offset tray and rear trays.

Barcodes and real time clocks are factory installable options on all printers.

The NPS printer, which is the standard build level in the USA, has Adobe Postscript and PCL (with extended fonts). This printer is also available in the rest of the world as a factory build.

There are also 2 other factory build levels available in the rest of the world. These are the N and the NL printers. Both these printers support PCL only. The N versions has the same extended range of internals PCL fonts as available in the NPS. The NL has a limited range of internal font support.

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Preface

In this Chapter . . .

- "Welcome" on page 2
- "About this Manual" on page 2
- "Organization" on page 3
- "Special Features of This Printer" on page 4

Welcome

Thank you for selecting the Laser Printer. This User Guide contains important information about the operation and care of your printer. Please read this manual in its entirety and keep it at hand for later reference.

About this Manual

Scope

This User Guide contains all of the information necessary to operate and care for your printer and accessories. It is intended to be used with the pictorial unpacking instructions and the Quick Start Guide, both included in the printer packaging. If you have not already unpacked and installed the printer, please refer to these documents. This guide does not contain instructions for unpacking and installing the printer.

Overview

This manual contains nine chapters and one appendix:

Printer Orientation

Throughout this guide, the four sides of the printer are referred to as front, rear, right, and left. The front of the printer is the side near the control panel, and the rear of the printer is opposite the front. The left and right sides of the printer are defined as the sides to the left and right, respectively, of a person who is facing the front of the printer.

Conventions

This following conventions are used throughout this manual to emphasize certain procedures or information:

NOTE: A note is a tip or extra information that may be helpful in installing or using the printer.

CAUTION: A caution message provides information that may help you avoid equipment damage, process failure, or inconvenience. Read all caution messages carefully.

WARNING! A warning message indicates the possibility of personal injury if a specific procedure is not performed exactly as described in the guide. Pay close attention to these sections and read them fully to prevent possible injury.

Organization

The following is a summary of each chapter:

Safety Notes

This section explains the items of which to take note to ensure that you use this printer safely and correctly. Be sure to read this section to prevent serious injuries and accidents.

Preface

The Preface contains information about this guide and about the features and available configurations of the printer.

Chapter 1 Installing the Printer

This chapter explains the procedures to decide on the installation location, check the package contents, and set up the printer at the installation location.

Chapter 2 Daily Care

This chapter explains the essential operations for using the printer on a daily basis such as replenishing paper and cleaning.

Chapter 3 Troubleshooting

This chapter explains the problems that may arise when using the printer and the way of handling them. Do not consider the problems as a mechanical breakdown until you have read this chapter.

Chapter 4 Paper Jams

This chapter explains the ways to solve paper jams.

Chapter 5 Consumables

This chapter explains the essential consumables for this printer, cautions on using them, and the way of replacing them.

Chapter 6 Optional Accessories

This chapter explains the optional accessories and how to install and uninstall them.

Chapter 7 Navigating the Control Panel Menus

This chapter explains the control panel and its functions, and also demonstrates how to navigate throughout the various menus and submenus that allow you to view and change the printer settings.

Chapter 8 Optional Extended Features

This chapter describes the procedures for installation of DRAM Memory DIMMs and the Hard Disk Option. Also describes how to use the extended features associated with these options.

Appendix A

This Appendix includes the printer specifications and expected life of the consumables.

Special Features of This Printer

This printer has the following special features:

- Quality printing at a high speed

  This printer supports 600 and 1,200 dpi. Attains high-speed printing of 34 sheets per minute when printing the same A4-sized document.

- Flexible use of paper sources and delivery methods

  A paper tray for various paper sizes, from A5 to Legal 14, can be used in the tray module. Special media such as envelopes and labels can also be used.

  Optional tray module (A4/550 sheets) is available. By adding two extra trays, the maximum allowed, the printer can hold up to 1,800 sheets.

  Enables 2 sided printing by attaching the optional duplex module.

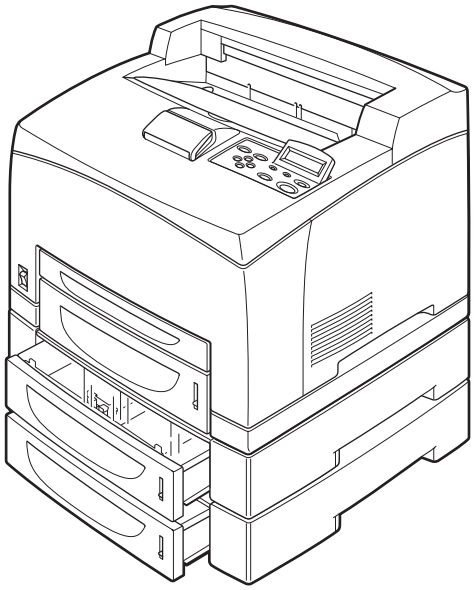
- Network-readiness

  The printer includes an Ethernet Network Interface Card.

- Easy operation

  The easy-to-read control panel display clearly shows the status of printer operation. Control panel pushbuttons allow you to access and view printer menus, submenus, and status messages.

The following diagram shows the printer with the 500 sheets exit as well as the two optional tray modules (A4/550 sheets) installed.



Safety Notes

For your own safety, please read this page carefully before using the machine.

- Do not place the machine in a hot, humid, dusty, or poorly ventilated environment. Prolonged exposure to these adverse conditions can cause fire or electric shock.

- Do not place the machine near heaters or volatile, flammable, or combustible materials such as curtains that may catch fire.
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Chapter 1

Installing the Printer

In this Chapter . . .

- "Installation Location" on page 1-2
- "Safety Precautions" on page 1-3
- "Printer Location Requirements" on page 1-4
- "Installation Space" on page 1-4
- "Checking the Package Contents" on page 1-6
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- "Printing a Configuration Summary" on page 1-21
- "Printing PCL and PostScript Font Lists" on page 1-24

About this Chapter

This chapter reviews the contents of the printer packaging, explains the parts of the printer, and describes the space and environment requirements of the printer.

Installation Location

In order to make use of the printer safely and comfortably, choose an installation location with the following considerations.

Installation Environment

Suitable locations

CAUTION: Place the machine on a level and sturdy surface that can withstand a weight of 20.6 kg. If tilted, the machine may fall over and cause injuries.

- Level and stable location (not tilted more than 5°)
- Well-ventilated location
- Temperature range: 10 to 32 °C; humidity range: 15 to 85% (no condensation) Humidity should be 70% or below at 32 °C, and temperature should be 28 °C or below at 85% humidity.

NOTE: Sudden temperature fluctuations can affect print quality. Rapid heating of a cold room or moving the printer from a location with low humidity/temperature to high humidity/ temperature can cause condensation inside the printer, directly interfering with image transfer. When condensation occurs, leave the printer alone for at least 1 hour to acclimate to the environment before using it.

Using a power outlet exclusively for the printer

Use one power outlet exclusively for this printer. If the printer draws power from the same circuit as other large machines, such as copiers or air conditioners, the fluctuations in the current may cause malfunctions or a loss of data. Also, electrical noise produced by machines located nearby may interfere with the normal operation of the printer.

WARNING! Three power specifications are listed below. The specifications that apply to your printer depend on its configuration. Connect the power plug only to a properly rated power outlet. Otherwise, it can cause fire or electric shocks. If in doubt, contact our Printer Support Desk.
Rated voltage: 100 V
Rated frequency: 50/60 Hz
Rated voltage: 110 V
Rated frequency: 60 Hz
Rated voltage: 220 – 240 V
Rated frequency: 50/60 Hz

Unsuitable locations

- Locations with direct exposure to sunlight
- Locations close to cooling/heating appliances
- Locations with direct exposure to drafts
- Locations susceptible to vibrations
- Dusty and dirty locations
- Locations close to open flame
- Damp locations
- Locations exposed to magnetic forces
- Locations susceptible to sudden changes in temperature or humidity

When using an ultrasonic humidifier

If tap water or well water is used in the ultrasonic humidifier, the impurities in the water will be released to the atmosphere and adhere to the internal parts of the printer, and this may cause deterioration in the print quality. Use only water that does not contain any impurities in the ultrasonic humidifier.

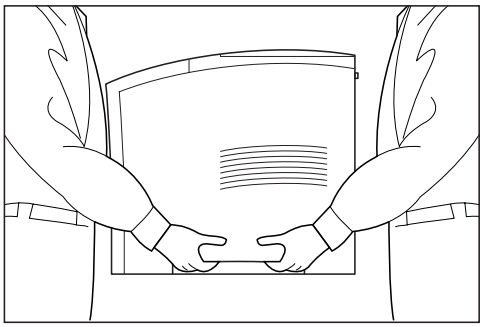
Safety Precautions

This printer is available in either of the following power specifications: 110V and 220V. The specifications that apply to your printer depend on your machine configuration. To prevent fire or shock hazards, connect the power plug only to a properly rated power outlet.

Handling the Printer

Follow the guidelines below when lifting or moving the printer:

- The printer is very heavy, and should always be lifted by two people. The weight of the printer without paper tray, toner cartridge, and paper is about 51 lbs (23 kg). Never attempt to lift the printer alone.



- To lift the printer, have two individuals facing each other from the front and the rear of the printer grasp the recessed areas on each side of the printer. Do not lift the printer by grasping any area other than these recessed areas.
- When lifting the printer, maintain proper lifting posture to prevent injuries.

Printer Location Requirements

Printer Weight and Dimensions

This printer weighs approximately 51 lbs (23 kg) and should always be lifted by two people. The dimensions of the printer are listed below.

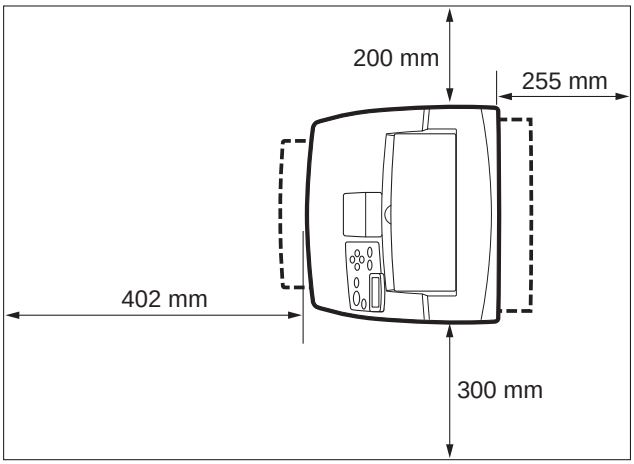
- Printer Height: 15.9 in (404 mm)
- Printer Width (left to right): 16.6 in (422 mm)
- Printer Depth (front to back): 18.3 in (465 mm)

Installation Space

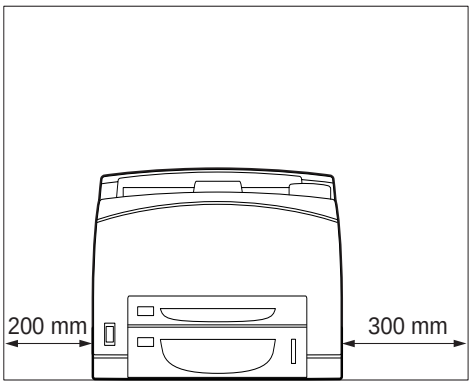
Ensure that the printer has enough installation space as shown in the diagrams.

CAUTION: The machine has ventilation holes on the rear and side panels. Ensure that the machine is installed with a minimum clearance of 255 mm from the rear vent to the wall, 200 mm from the left vent to the wall, and 300 mm from the right vent to the wall. A poorly ventilated machine can cause excessive internal heat and fire. The accompanying diagram shows the minimum clearances required for normal operation, consumables replacement, and maintenance to ensure your machine operates at peak performance.

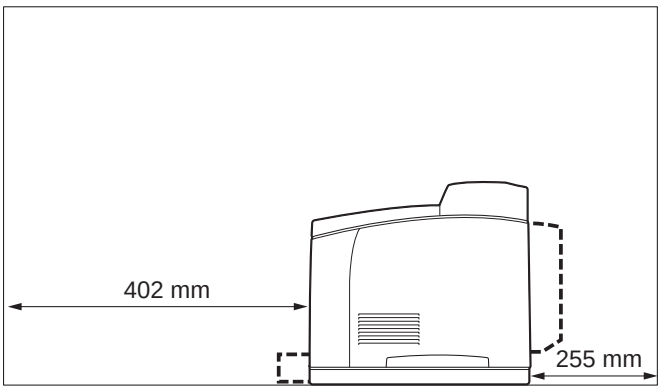
Top view



Front view



Side view

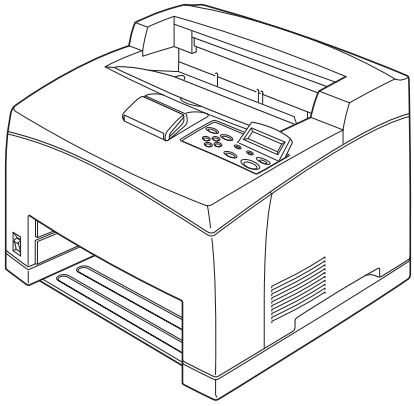


Checking the Package Contents

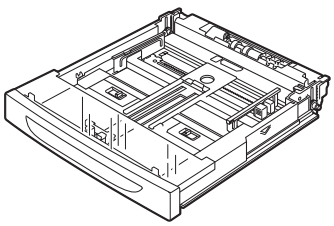
The standard configuration of the printer is as follows. Ensure that all the parts are available before installation.

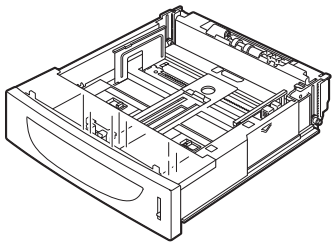
NOTE: Retain the packaging material and box for future use if there is a possibility that the printer will be moved over long distances. See “Optional Accessories” on page 6-1 for details on the optional accessories.

- Printer

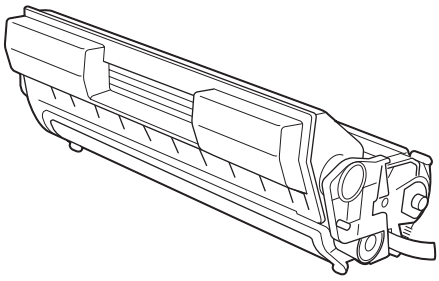


- Paper tray (A4/150 sheets) paper tray (A4/550 sheets)

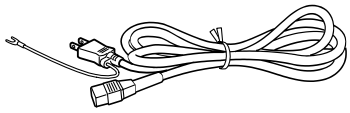




- Toner cartridge



- Power cord



- Quick start guide with CD-ROM

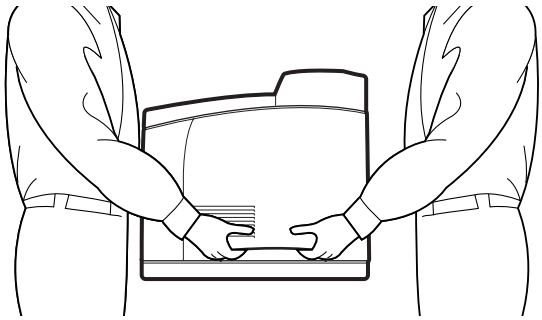
Carrying the Printer

When moving the printer to a place for installation, take note of the following points.

Hold the recessed areas on the left and right sides of the printer.

CAUTION: When lifting the printer, get a firm footing, bend your knees and use both your hands to avoid possible falls of the printer and injuries to your back.

NOTE: When lifting the printer, there should be 2 persons, one in front and one behind the printer, to firmly grip the recessed areas provided on both sides of the printer. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping any other areas can cause the printer to fall and result in injuries.



NOTE: When lifting the printer, get a firm footing and bend your knees to avoid possible injuries to your back.

Carry the printer without tilting it.

CAUTION: When moving the machine, do not tilt it more than 10 degrees. If tilted excessively, the machine may fall over and cause injuries.

Do not tilt the printer more than 10 degrees to the front/back or right/left. This might lead to a malfunction due to incidents such as consumables inside the printer spilling out.

NOTE: Rear side of the printer is heavier than the front.

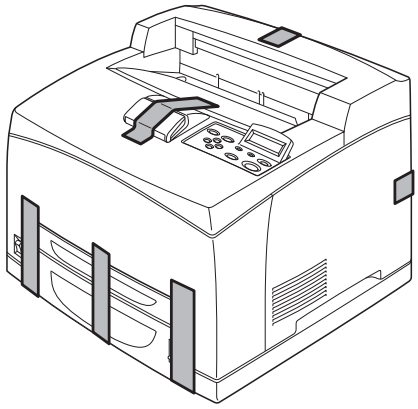
The rear side of this printer is heavier than the front. Take note of this difference in weight when moving the printer.

Installation Procedure

This section describes how to install the printer.

Removing the Tape

When the printer is first taken out of the packaging box, the covers of the printer are taped as shown in the diagram. Remove the tapes.



Installing the Optional Accessories

If you have purchased any optional accessories, install them before installing the Toner Cartridge and before loading paper. If there are no optional accessories to install, proceed to the next section, Installing the Toner Cartridge.

Tray module (A4/550 sheets)

See "Installing the Tray Module" on page 6-4 for details.

Duplex module

See "Installing the Duplex Module" on page 6-14 for details.

Offset catch tray

See "Installing the Offset Catch Tray" on page 6-18 for details.

Rear tray

See "Installing the Rear Tray" on page 6-24 for details.

Installing the Toner Cartridge

When installing the Toner Cartridge, take note of the following points:

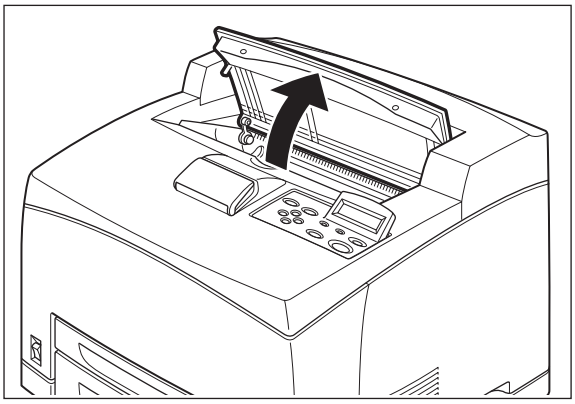
WARNING! Never throw an Toner Cartridge into an open flame. It can cause an explosion and you can get burned.

- Do not subject it to direct sunlight or strong light.
- When installing the TONER cartridge, select a location not subject to strong light and try to finish the installation within 5 minutes.

- Do not touch the surface of the photosensitive drum. Do not stand or place the Toner Cartridge upside down. The drum might get damaged.
- A drum shutter protects the photosensitive drum from light. Do not open the drum shutter.
- Although the toner is not harmful to the body, wash it off immediately if your hands or clothes are stained with it.
- To ensure reliable operation you should replace the Toner Cartridge within one year of installing it

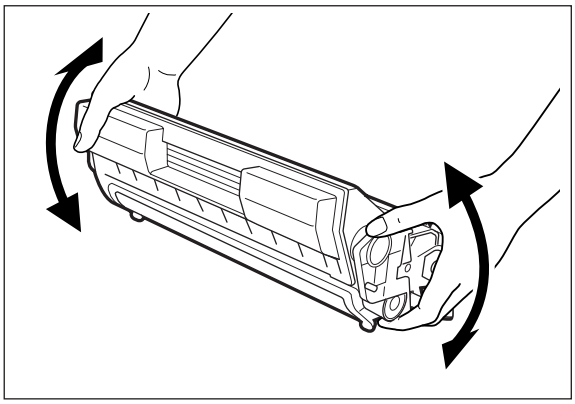
NOTE: See "Replacing the Toner Cartridge" on page 5-4 for details when replacing the Toner Cartridge.

1. Open the top cover.

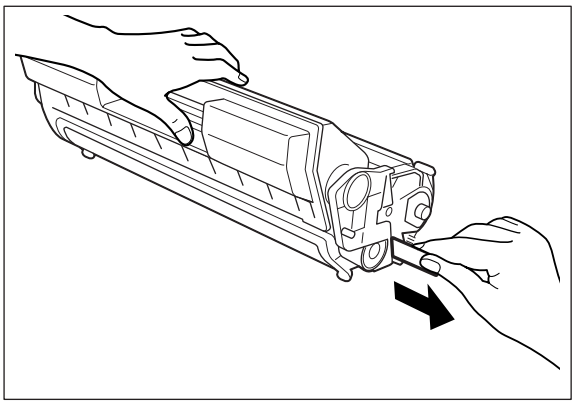


NOTE: Do not touch any parts inside the printer.

2. Take the Toner Cartridge out of the box and shake it 7 to 8 times as shown in the diagram.

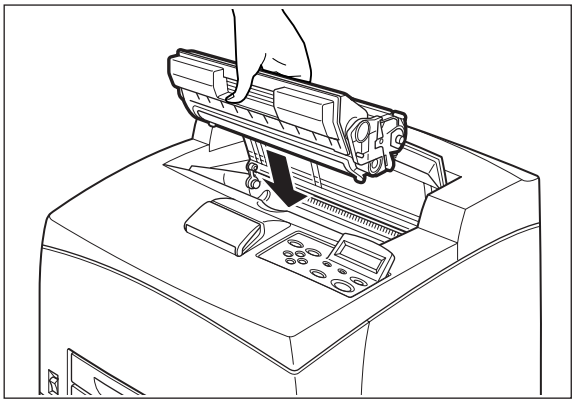


3. Place the Toner Cartridge on a flat surface and pull the seal out honnrizontally.



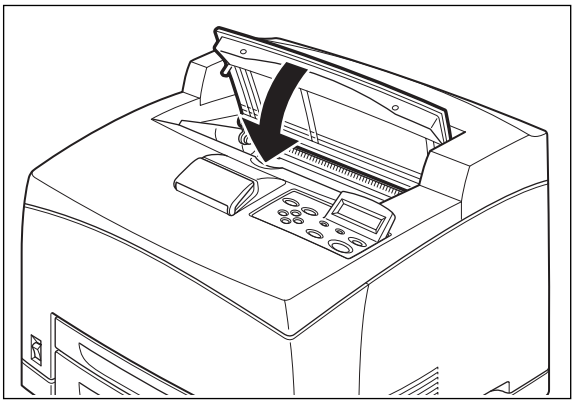
NOTE: When pulling out the seal, pull it out horizontally. The tape might break if it is pulled out diagonally. After the seal has been pulled out, do not shake or bump the Toner Cartridge.

4. Hold the Toner Cartridge by the grip and insert it into the slot inside the printer.



NOTE: Do not touch any parts inside the printer. Ensure that the Toner Cartridge is firmly set.

5. Close the top cover securely.

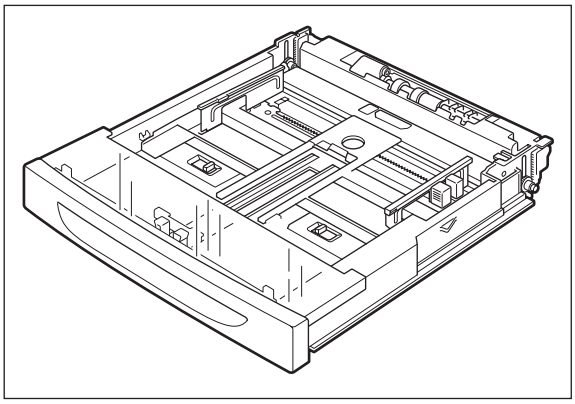


Loading Paper

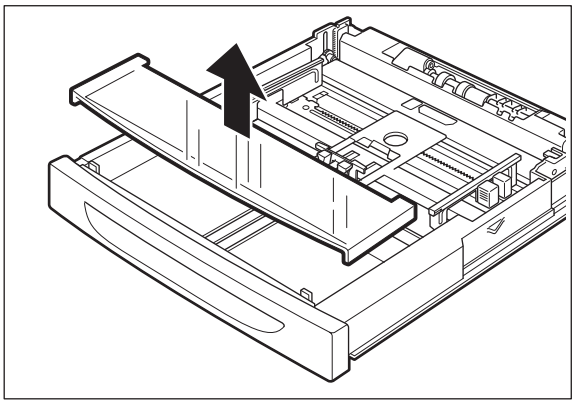
Loading paper in the paper tray

See "About Paper" on page 2-4" for details on the type and size of paper that can be loaded in the paper tray.

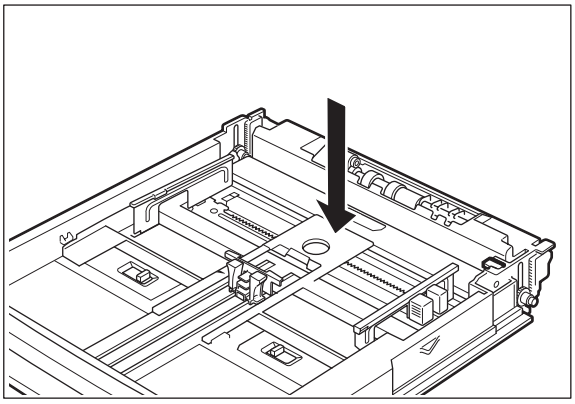
1. Place the paper tray on a flat surface.



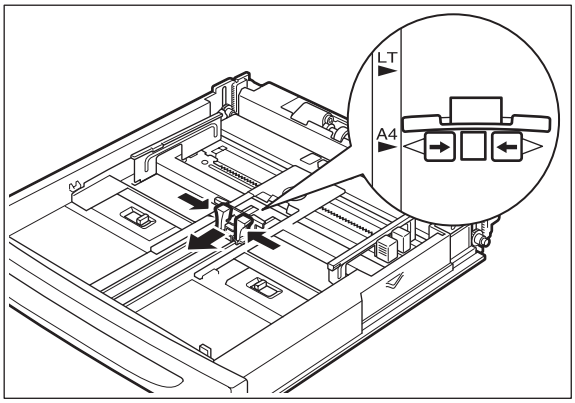
2. Remove the lid of the tray.



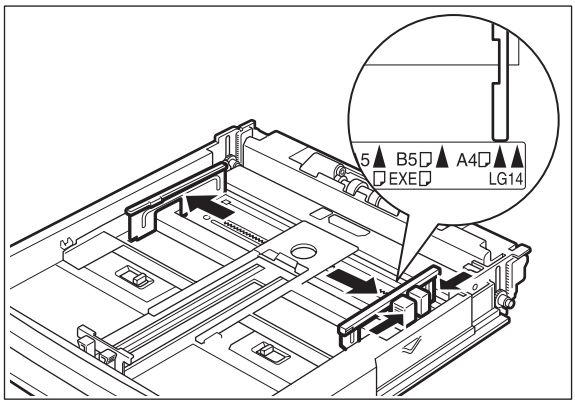
3. If the base plate of the paper tray is raised, push it down.



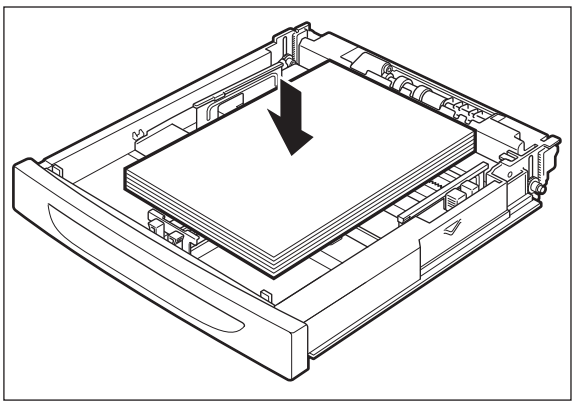
4. Squeeze the length guide and slide it to the desired paper size.



5. Squeeze the right width guide and slide it to the desired paper size.

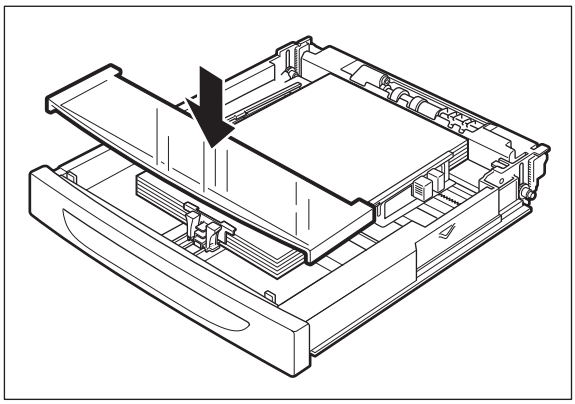


6. Load the paper with the side to be printed facing up and with all 4 corners aligned. Make sure that the right width guide is correctly aligned with the paper size. Do not place paper over the right width guide.

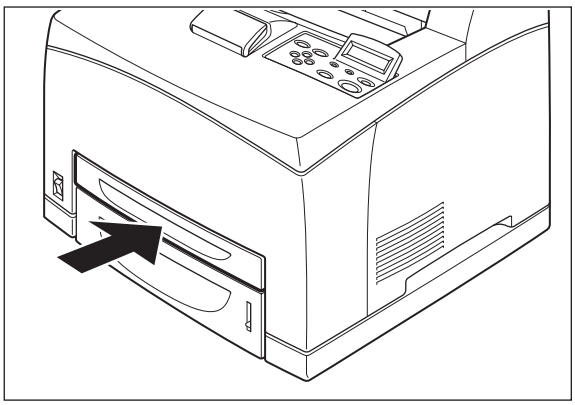


NOTE: Do not load paper exceeding the maximum fill line or the maximum capacity allowed. Align the right width guide with the paper width correctly. If the right width guide is not in place, the paper will not be properly fed and may cause a paper jam.

7. Close the lid of the paper tray.



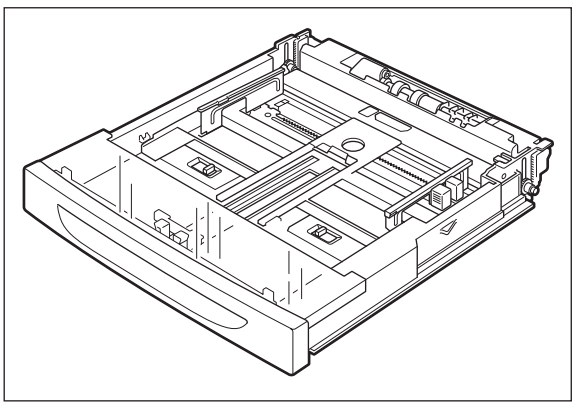
8. The lid of the tray must be firmly closed. If not, the paper might be misaligned.



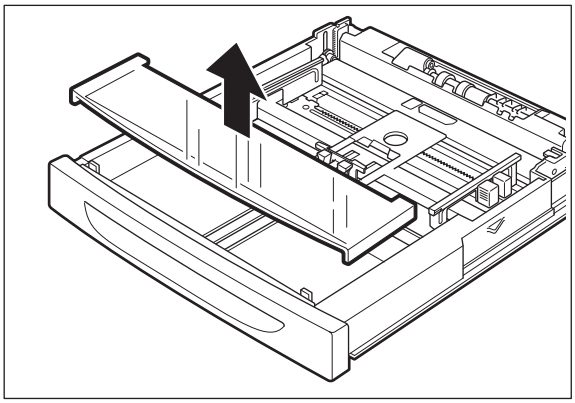
Loading paper larger than A4 size in the paper tray

See "About Paper" on page 2-4 for details on the type and size of paper that can be loaded in the paper tray.

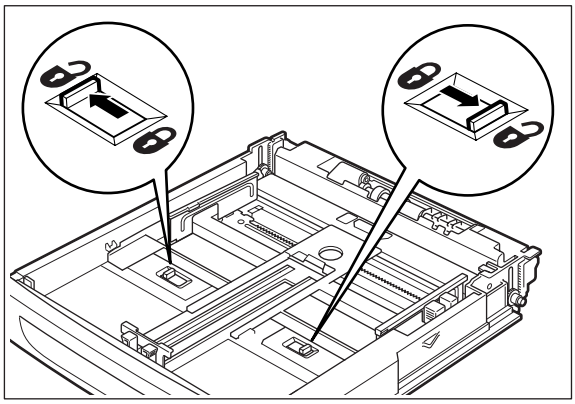
1. Place the paper tray on a flat surface.



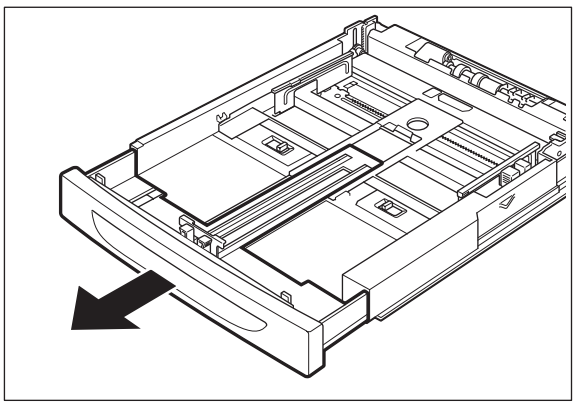
2. Remove the lid of the tray.



3. Slide the right and left lock tabs in the paper tray outwards to unlock them.

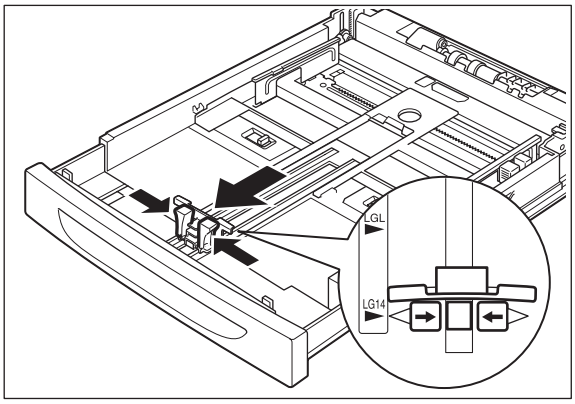


4. Hold the grip of the paper tray and pull its extendable part to the front until it touches the desired paper size.

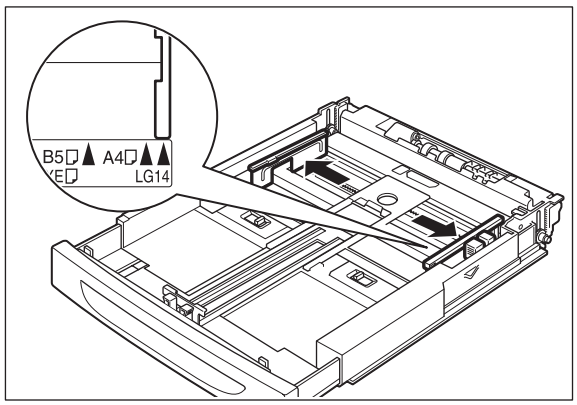


NOTE: The right and left lock tabs in the paper tray move inwards and lock automatically.

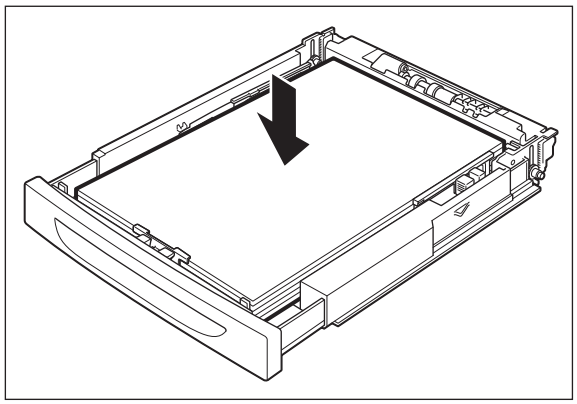
5. Squeeze the length guide and slide it to the desired paper size.



6. Squeeze the right width guide and slide it to the desired paper size.

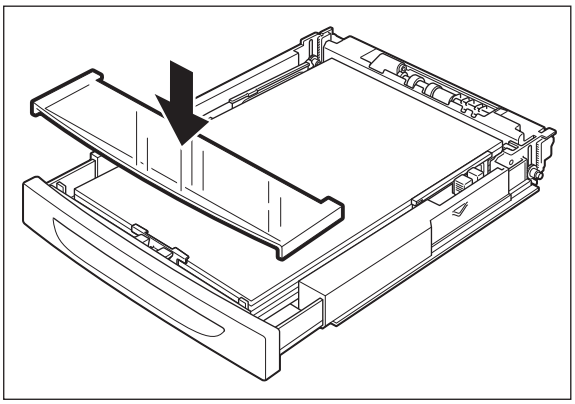


7. Load the paper with the side to be printed facing up and with all 4 corners aligned. Do not place paper over the right width guide.



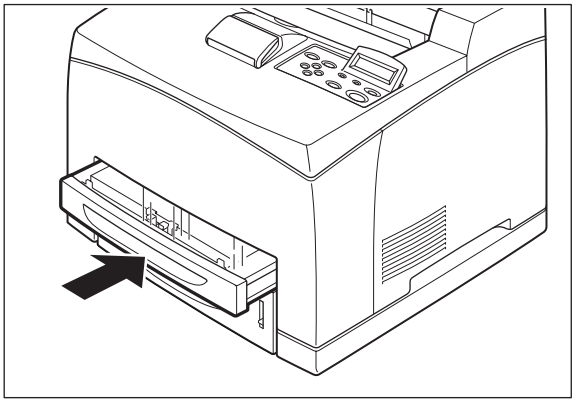
NOTE: Do not load paper exceeding the maximum fill line or the maximum capacity allowed. Align the right width guide with the paper width correctly. If the right width guide is not in place, the paper will not be properly fed and may cause a paper jam.

8. Close the lid of the paper tray.



NOTE: The lid of the tray must be firmly closed. If not, the paper might be misaligned.

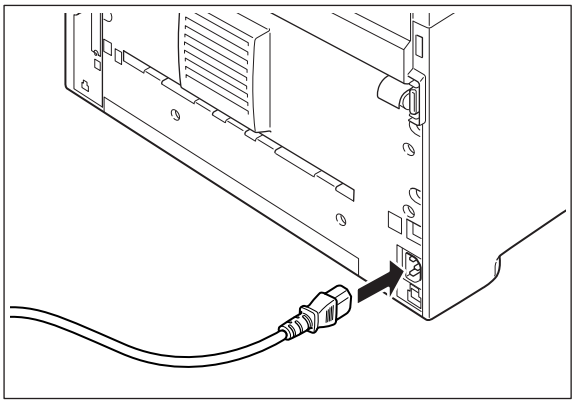
9. Push the paper tray completely into the printer.



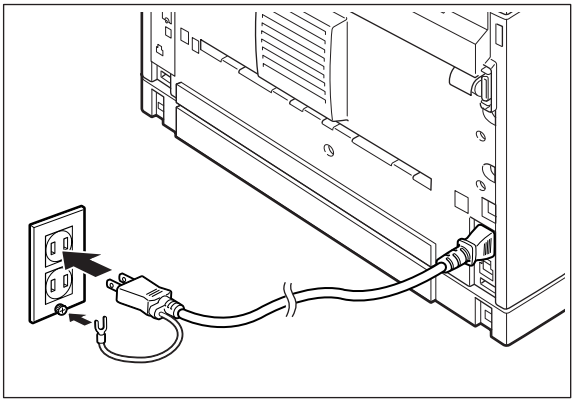
Connecting the Power Cord

WARNING! Three power specifications are listed below. The specifications that apply to your printer depend on its configuration. Connect the power plug only to a properly rated power outlet. Otherwise, it can cause fire or electric shocks. If in doubt, contact our Printer Support Desk.
Rated voltage: 100 V
Rated frequency: 50/60 Hz
Rated voltage: 110 V
Rated frequency: 60 Hz
Rated voltage: 220 – 240 V
Rated frequency: 50/60 Hz
To prevent fire or electric shock, follow the instruction below based on your machine configuration. If in doubt, contact our Printer Support Desk.
If your machine is a 220 – 240 V model, there is no need to attach a separate earth line since the earth connection is incorporated in the power line. Plug it into a properly rated outlet.
If your machine is a 100 or 110 V model, use the green earth wire bundled with the power cord, located at the rear of the machine.
The earth wire must be connected to one of the following conductors:
– Earth terminal of the specified power outlet
– A piece of copper buried in the earth 650 mm or deeper

1. Connect the power cord to the power cord connector at the back of the printer.



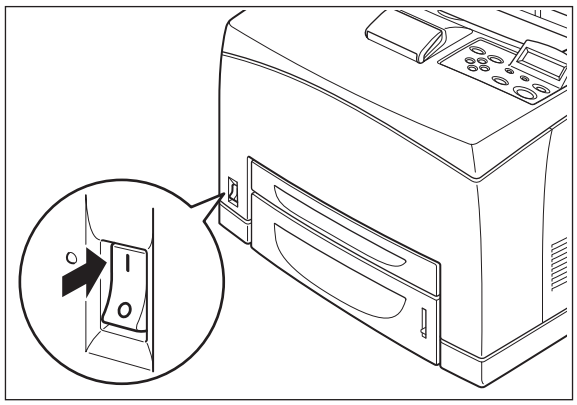
2. Make sure that the power switch has been firmly pushed to the <O> position and then insert the other end of the power cord to the power outlet. If the power cord has an earth wire, connect it as well.



Turning the Printer On

Switch on the power before operating the printer. When you have finished using the printer for the day or you do not intend to use it for a long period of time, switch off the power.

1. Press the power switch to the <**I**> position the power on.



On the printer's right side, press the side of the power switch marked <**I**> to turn the printer on.

NOTE: The printer motors run for 2 or 3 minutes when you first turn the power on.

The top line of the LCD display reads:

```
Loading
```

followed by asterisks progressing across the bottom line:

```
**************
```

Following an LED self test, asterisks progress across both lines of the display, the alarm will also sound for a few seconds.

```
**************
**************
```

and the Power On Self Test ends with the top line of the display reading:

```
Ready
```

NOTE: While turned on, the printer will go into the standby state if it remains idle for a period of time.

Selecting a Display Language

The default language for all LCD display messages and the Configuration Summary and Test Page is English. You can change the language to Espanol, Italiano, Deutsch or Francais.

NOTE: The language that you select will be reflected on all LCD display messages, and also the content of the Configuration Summary and Test Page.

To change the default language from English to one of the other four available selections:

1. From the Ready status, press **MENU**, if a hard disk has been added or flash is being used, you will need to press the up arrow several times until the control panel display will read:

   ```
   Menu
   Paper
   ```

2. Press **PREVIOUS** or **NEXT** until the display reads:

   ```
   Menu
   System Menu
   ```

3. Press **SELECT**, the display will read:

   ```
   System Menu
   Factory Defaults
   ```

4. Press **NEXT** or **PREVIOUS** until the display reads:

   ```
   System Menu
   Display Language
   ```

5. Press **SELECT**, the display will read:

   ```
   System Menu
   English
   ```

6. Press **NEXT** or **PREVIOUS** until the desired default language appears on the bottom line of the display.

7. Press **SELECT**. You have now changed the default language.

Installing Printer Drivers and Locating User Documentation

Installing Printer Drivers

For a printer to be connected using TCP/IP printing, ensure the printer has been configured for a valid IP address, subnet and gateway.

If this has been assigned by a DHCP server, ensure there is a reservation fo the printers mac address, seen on the network Configuration test page against the reserved IP address in the DHCP servers scope. See your company network manager if there is any doubt.

If the printer has not obtained an IP address subnet and gateway automatically refer to the Quick Start Guide.

Ensure the printer is powered on and has been connected to the network.

You must be logged on to the computer as an administrator or equivalent in order to install the printer drivers.

It is important that you now read the note headed important information on page ii of this manual before proceeding.

1. Load the cd into the drive.
2. After it loads select **I ACCEPT** to the opening screen as shown.
3. Click **MENU**.
4. Choose your location: **USA** or **Worldwide** if this option is offered.
5. Select the correct driver based on the model of printer you have. Follow the instructions as shown on the screen once you have clicked the correct driver button.

Once having completed the installation ensure that the correct paper size has been selected as default. In the case of Windows XP/2000 and the PCL driver first select the printer. Right click it, select **Printing Preferences**. Select the **Paper** tab and ensure the paper size is correct. If not select the correct size and then press the **Apply** and then the **OK** buttons.

At the same time ensure you have added an options installed in the printer. In the case of Windows XP/2000 and PCL: Select the printer, right click it, select **Properties**, select the **Setup** tab and add any installed options.

TGNET Admin Administration Program

The printer is supported by the TGNet Admin administration program, available from our web site. Network discovery, administration, remote monitoring and remote panel management options are available to the administrator.

The TGNet Admin program includes a virtual control panel function that allows the user to remotely manage the printer. The virtual control panel functions allow the administrator to remotely control many printers without having to go to each printer to modify the printer settings.

Locating User Documentation

To locate other documentation that will assist you in operating and maintaining your printer, go to the DOCUMENTATION folder on the Electronic Library CD-ROM. You can open and read these manuals (in Adobe PDF format) directly from the CD-ROM, save the manuals to the hard drive of your computer, or print the manuals.

Refer to the README.TXT file (Windows) or the Read Me First file (MacOS) for more information about the documentation.

Printing a Configuration Summary

Your printer can print a configuration summary that lists the currently selected status of menu options, media selections in trays, options installed and other relevant information about your printer. To print a Configuration Summary either press the info key or follow these steps:

1. From the Ready status, press **MENU**, if a hard disk has been added or flash is being used, you will need to press the up arrow several times until the control panel display will read:

   ```
   Menu
   Paper Menu
   ```

2. Press **PREVIOUS** or **NEXT** until the display reads:

   ```
   Menu
   Functions
   ```

3. Press **SELECT**, the display will read:

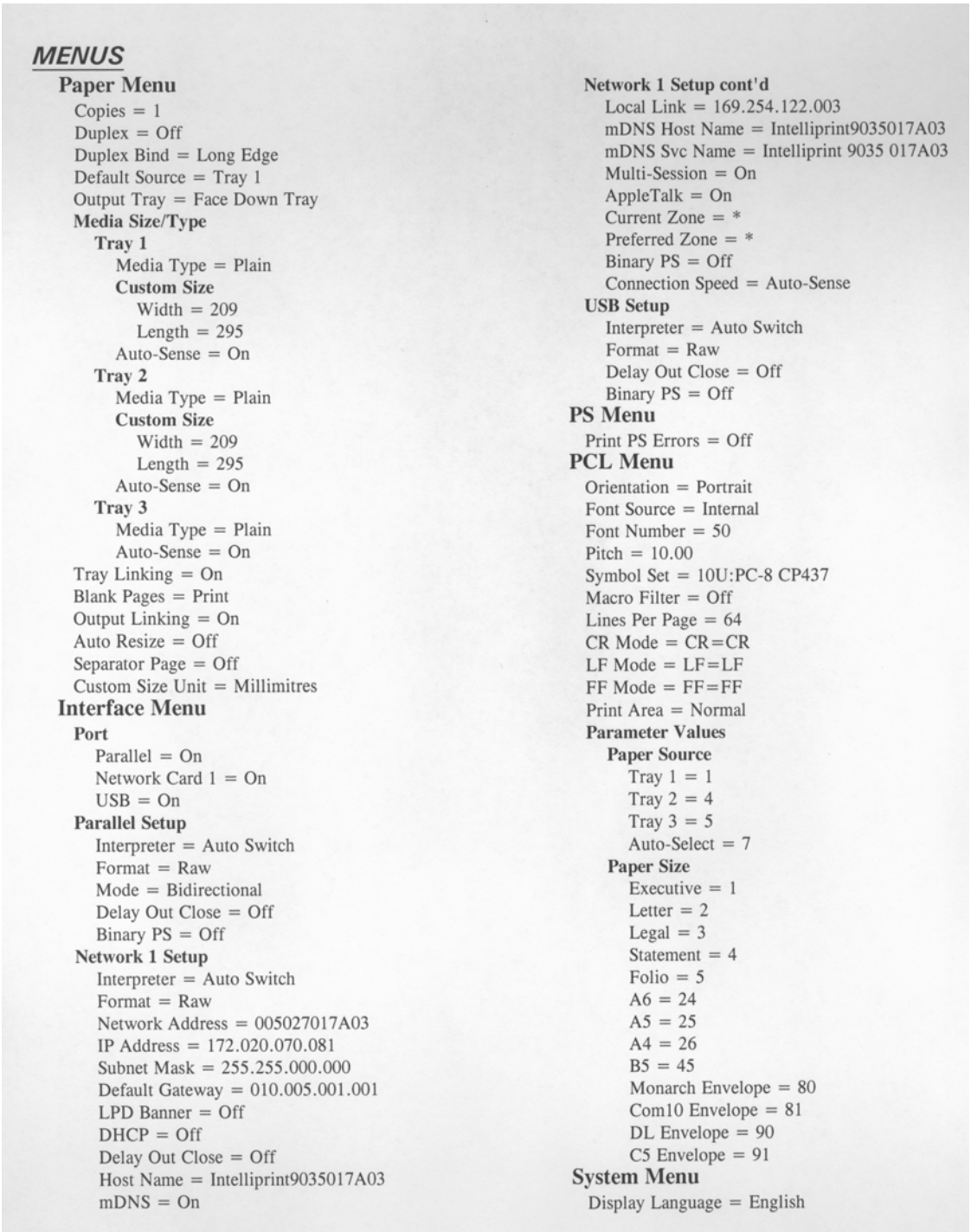
   ```
   Functions
   Reset Printer
   ```

4. Press **NEXT** or **PREVIOUS** until the display reads:

   ```
   Functions
   Print Summary
   ```

5. Press **SELECT**. A two page Configuration Summary will print. An example of a Configuration Summary appears on the following page.

NOTE: Depending upon the options installed and menu settings, your Configuration Summary may vary.



MENUS

Paper Menu
- Copies = 1
- Duplex = Off
- Duplex Bind = Long Edge
- Default Source = Tray 1
- Output Tray = Face Down Tray
- **Media Size/Type**
  - **Tray 1**
    - Media Type = Plain
    - **Custom Size**
      - Width = 209
      - Length = 295
    - Auto-Sense = On
  - **Tray 2**
    - Media Type = Plain
    - **Custom Size**
      - Width = 209
      - Length = 295
    - Auto-Sense = On
  - **Tray 3**
    - Media Type = Plain
    - Auto-Sense = On
- Tray Linking = On
- Blank Pages = Print
- Output Linking = On
- Auto Resize = Off
- Separator Page = Off
- Custom Size Unit = Millimitres

Interface Menu
- **Port**
  - Parallel = On
  - Network Card 1 = On
  - USB = On
- **Parallel Setup**
  - Interpreter = Auto Switch
  - Format = Raw
  - Mode = Bidirectional
  - Delay Out Close = Off
  - Binary PS = Off
- **Network 1 Setup**
  - Interpreter = Auto Switch
  - Format = Raw
  - Network Address = 005027017A03
  - IP Address = 172.020.070.081
  - Subnet Mask = 255.255.000.000
  - Default Gateway = 010.005.001.001
  - LPD Banner = Off
  - DHCP = Off
  - Delay Out Close = Off
  - Host Name = Intelliprint9035017A03
  - mDNS = On
- **Network 1 Setup cont'd**
  - Local Link = 169.254.122.003
  - mDNS Host Name = Intelliprint9035017A03
  - mDNS Svc Name = Intelliprint 9035 017A03
  - Multi-Session = On
  - AppleTalk = On
  - Current Zone = *
  - Preferred Zone = *
  - Binary PS = Off
  - Connection Speed = Auto-Sense
- **USB Setup**
  - Interpreter = Auto Switch
  - Format = Raw
  - Delay Out Close = Off
  - Binary PS = Off

PS Menu
- Print PS Errors = Off

PCL Menu
- Orientation = Portrait
- Font Source = Internal
- Font Number = 50
- Pitch = 10.00
- Symbol Set = 10U:PC-8 CP437
- Macro Filter = Off
- Lines Per Page = 64
- CR Mode = CR=CR
- LF Mode = LF=LF
- FF Mode = FF=FF
- Print Area = Normal
- **Parameter Values**
  - **Paper Source**
    - Tray 1 = 1
    - Tray 2 = 4
    - Tray 3 = 5
    - Auto-Select = 7
  - **Paper Size**
    - Executive = 1
    - Letter = 2
    - Legal = 3
    - Statement = 4
    - Folio = 5
    - A6 = 24
    - A5 = 25
    - A4 = 26
    - B5 = 45
    - Monarch Envelope = 80
    - Com10 Envelope = 81
    - DL Envelope = 90
    - C5 Envelope = 91

System Menu
- Display Language = English

System Menu cont'd
- Power Saver = 15
- Wait Timeout = 20
- Job Timeout = 0
- Jam Recovery = On
- Hex Print = Off
- Toner Low = Stop
- Page Compression = Off
- Intellifilter = On

Quality Menu
- Resolution = 600 dpi
- Toner Saver = Off
- Print Density = 5

Date/Time Menu
- Month = February
- Day = 2
- Year = 2005
- Hour = Noon
- Minute = 33
- Second = 38
- **Offset from GMT**
  - Hours = 1
  - Minutes = 0

STATUS

Tray 1
- Media Size = A4
- Media Type = Plain
- Level = OK

Tray 2
- Media Size = A4
- Media Type = Plain
- Level = OK

Tray 3
- Media Size = A4
- Media Type = Plain
- Level = OK

Face Down Tray = OK

Offset Tray = OK

Toner = OK

INFORMATION

Product Version : 1.6
PostScript Version : 3010.106
Engine Version : 3.64-37
Network 1 Version : 10/100 Ethernet 1.2
Installed Memory : 64 Mbytes
Printer Name :
Serial Number :
Asset Tag :
Image Counter : 939
Sheet Counter : 954
Toner Page Count : 824
HID=A1:2014,A2:80,S1:7,
M1:0000A0000000,P1:00005231
Date/Time : February 2, 2005 12:33:41 AM
SF1 : 0000F38F*

OPTIONS

Duplex Installed
550 Sheet Feeder Installed
Offset Tray Installed
User FLASH Installed
Hard Drive Installed
Extended Font Set 1 Installed

Printing PCL and PostScript Font Lists

Your printer has the capability of printing lists of all installed PCL or PostScript fonts. To print a Font List, follow these steps:

1. From the Ready status, press **MENU**, the control panel display will read:

   ```
   Menu
   Paper Menu
   ```

2. Press **PREVIOUS** or **NEXT** until the display reads:

   ```
   Menu
   Functions
   ```

3. Press **SELECT**, the display will read:

   ```
   Functions
   Reset Printer
   ```

4. Press **NEXT** or **PREVIOUS** until the display reads:

   ```
   Functions
   Print Fonts
   ```

5. Press **SELECT**, the display will read:

   ```
   Print Fonts
   PCL Fonts
   ```

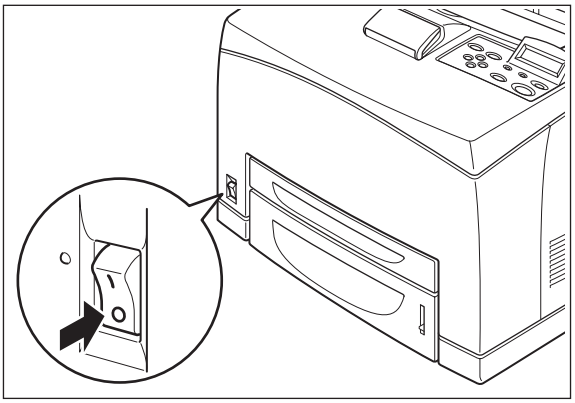
NOTE: You may toggle between PCL Fonts and Postscript Fonts using the PREVIOUS or NEXT push-buttons.

---

6. Press **SELECT**. One or several pages will print dependent on options you have enabled in your printer.

Turning the Printer Off

1. Make sure that the printer is not in processing.



2. Press the power switch to the <O> position to turn the power off.

Remember to turn off the printer at the end of day or when the printer will not be used for an extended period of time.

NOTE: When the printer is turned off, all print data still in memory will be erased.

◆ ◆ ◆

Chapter 2

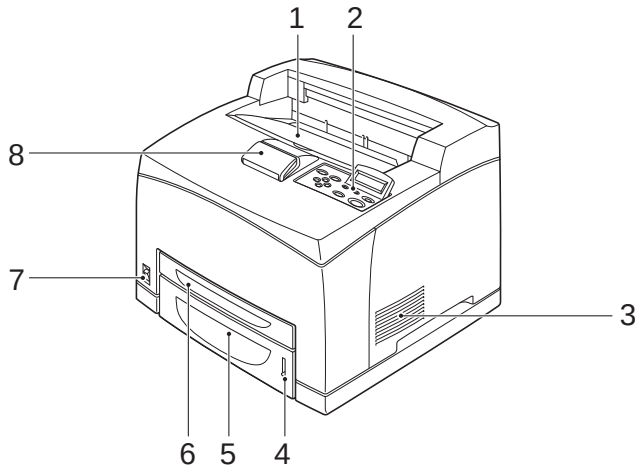
Daily Care

In this Chapter . . .

- "Main Components and Their Function" on page 2-2
- "About Paper" on page 2-4
- "Storing Paper" on page 2-10
- "Loading Paper" on page 2-11
- "Cleaning the Printer" on page 2-17
- "When Not in Use for a Long Time" on page 2-21
- "When Moving the Printer" on page 2-22

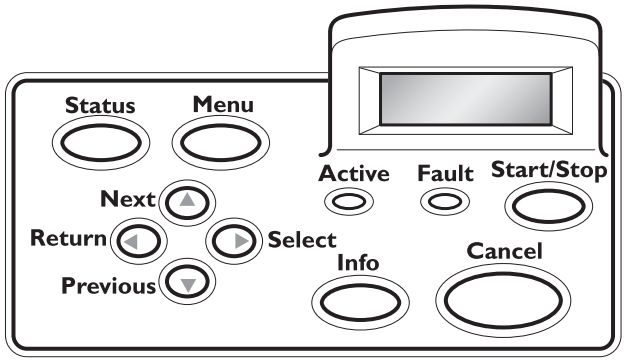
Main Components and Their Function

Front view



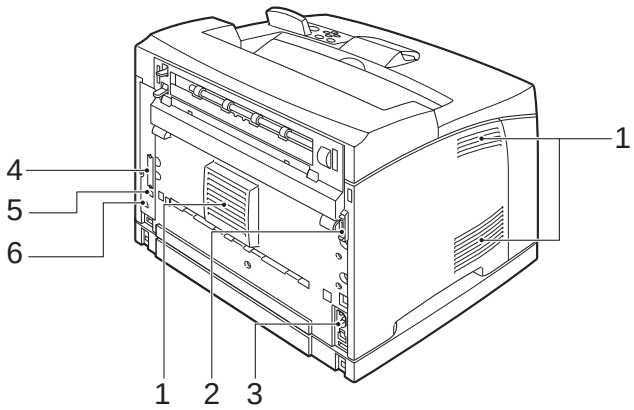
No.	Name	Description
1	Center output tray	Print jobs are output with the printed side facing down.
2	Control panel	Consists of operation buttons, indicators, and the display.
3	Ventilation hole	Releases heat to prevent the interior of the printer from heating up.
4	Paper meter	Indicates the amount of paper remaining.
5	Paper tray A4/550 sheets)	Load paper here.
6	Paper tray A4/150 sheets)	Load paper here.
7	Power switch	Switches the power of the printer on and off. Pushing the switch to the <I> side switches it on and pushing it to the <O> side switches it off.
8	Paper stopper	Raise this when printing on paper larger than A4 size.

Control panel



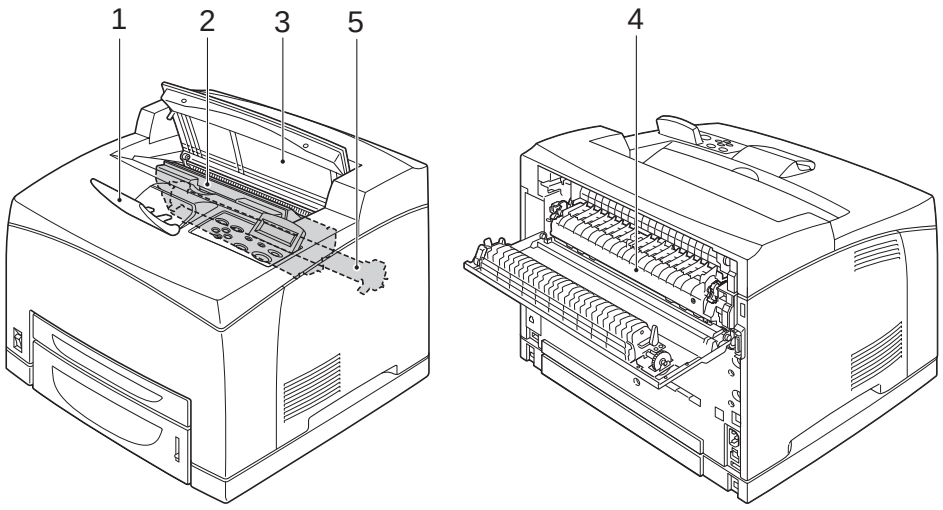
No.	Name	Description
1	Control paneldisplay	Displays error messages and printer menu dialogs.

Back view



No.	Name	Description
1	Ventilation hole	Releases heat to prevent the interior of the printer from heating up.
2	Duplex module connector	Connect the optional duplex module here.
3	Power cord connector	Connect the power cord here.
4	USB port	Connect the USB cable here.
5	Ethernet 10/100 port	Connect the Ethernet cable here.
5	Parallel port	Connect the parallel cable here.

Internal view



No.	Name	Description
1	Paper stopper	Raise this when printing on paper larger than A4 size.
2	Toner Cartridge	Contains the toner and the photosensitive drum.
3	Top cover	Open this when replacing the Toner Cartridge and removing jammed paper.
4	Fuser unit	Fixes the toner on the paper. Do not touch this when using the printer as it is hot.
5	Transfer roll cartridge	Transfers the toner image on the surface of the photosensitive drum to the paper.

About Paper

Using paper that is not suitable for this printer might lead to paper jams or poor print quality. To make full use of the printer features, we suggest using only paper that is recommended here.

Usable Paper

Printable paper

This printer can print on paper that is commonly sold. Select paper suitable for use by referring to the table below. However, we recommend the use of the standard paper for clearer printing.

Paper feed	G.S.M.
Paper tray (A4/550 sheets)	60 – 216 g/m^2

NOTE: G.S.M. indicates the weight of a 1 m^2 sheet of paper.

Standard paper

The standard paper that can be used for this printer is as follows.

Paper type	Paper size	G.S.M.
Fuji Xerox P paper	A4	64 g/m^2
4024	20 lb Letter	—
4200	20 lb Letter	—
RX 80 (3R 91720)	A4	—

Special media

The printer can also print on the following paper types. These types of paper are called special media.

	Paper size	Paper type
Transparencies	Letter (215.9 × 279.4 mm) A4 (210 × 297 mm)	XEROX P/N 3R2780 XEROX P/N JE-001 XEROX P/N 3R91334 3M P/N CG3300
Labels	Letter (215.9 × 279.4 mm) A4 (210 × 297 mm)	XEROX P/N 3R4469 Avery Laser Labels P/N 5160 XEROX P/N V860 XEROX P/N 3R97408
Envelopes	Com#10 (104.8 × 241.3 mm) C5 (162 × 229 mm) DL (110 × 220 mm) Monarch (98.4 × 190.5 mm)	
Postcards	100 × 148 mm 105 × 148.5 mm 89.9 × 139.7 mm	Japanese official postcards A6 postcards US postcards
Card stock	76.2 × 127 mm – 210 × 297 mm (A4) or 215.9 × 279.4 mm (Letter)	3" × 5" Oxford Index Card (40801) Classic Crest Super Smooth Cover 3R3254 (Long Gain)

Loadable paper and capacity

Paper that can be loaded in the paper trays (A4/150sheet) and (A4/550 sheets) is as follows:

- Paper tray (A4/150 sheets), (A4/550 sheets)

The following paper types can be loaded in the paper trays:

Paper type	Maximum Capacity	
	Paper tray (A4/150 sheets)	Paper tray (A4/550 sheets)
Standard paper	150 sheets	550 sheets
Other paper	Up to a height of 17.5 mm	Up to a height of 59.4 mm
Japanese official postcards	55 sheets	200 sheets or MAX 49.4 mm
Envelopes	Columbian Com10 15 sheets	80 sheets or MAX 49.4 mm
Labels	100 sheets	350 sheets
Transparencies	100 sheets	100 sheets
Card stock	120 sheets	400 sheets

Available paper sizes

The following paper sizes can be loaded in the paper tray:

Loadable: ○ ; Not loadable: ×

Paper size	Paper tray (A4/150 sheets)	Paper tray (A4/550 sheets)
Letter portrait	○	○
Legal 14 portrait	○	○
Legal 13 portrait	○	○
A4	○	○
B5 JIS portrait	○	○
B5 ISO portrait	○	○
A5 portrait	○	○
Executive portrait	○	○
1/3 A4 portrait	○	○
Statement portrait	○	○
US postcard portrait	○	○
Index portrait	○	×
A6 postcard portrait	○	○
Japanese official postcard portrait	○	○
Envelope Monarch portrait	○	○
Envelope Com#10 portrait	○	○
Envelope C5 portrait	○	○
Envelope DL portrait	○	○
Free size	○	○

Paper for 2 sided printing

2 sided printing can be used by installing the optional duplex module.

The available paper types and sizes for 2 sided printing are as follows:

Paper type	Paper size	G.S.M.
Printable paper	Letter portrait Legal 13 portrait Legal 14 portrait A4 portrait B5 JIS portrait B5 ISO portrait A5 portrait Executive portrait 1/3 A4 portrait Statement portrait	60 – 216 g/m^2
Postcards*	Japanese official postcard A6 postcard US postcard	
Free size	Tray 1 and Tray 2 only Width: 98 – 215 mm Length: 147 – 355 mm	

NOTE: *Print quality is not guaranteed.

Unusable Paper

Using the following types of paper might cause paper jams, malfunctions or damage to the printer. Do not use them.

- FUJI XEROX full-color transparencies
- Paper that is too thick or thin
- Paper that has been printed on before (including color printing)
- Wrinkled, folded, or torn paper
- Wet paper
- Curled paper
- Paper with static electricity
- Adhesive paper
- Postcards with pictures
- Paper with special coating on its surface
- Treated colored paper
- Paper using ink that will run at a temperature of 150 °C
- Heat sensitive paper
- Carbon paper
- Paper with staples, paper clips, ribbons, or tape

- Paper with rough surfaces such as pulp paper or fibrous paper
- If acid paper is used, the characters might appear fuzzy. Replace it with alkaline paper.
- Envelopes that are not flat or have metal fasteners
- Labels which do not fully cover the adhesive backing

If background image suppression agent sticks to the feed roll when feeding postcards with pictures, the postcards may not feed. When this happens, clean the feed roll by referring to " Cleaning the Printer".

Storing Paper

Even for suitable papers, poor storage conditions may lead to a change in the paper quality, paper jams, poor print quality and printer breakdown.

Storing locations for paper

- Temperature: 10 – 30 °C
- Relative humidity: 30 – 65%

Caution for storing paper

- Store in a place with low humidity.
- After opening a ream of paper, use the original cover sheets to wrap up the paper not used and store it in a cabinet or a location with low humidity.
- Do not let the paper stand but store it in a flat location.
- Ensure that the paper is stored properly without being bent or curled.
- Store the paper in a location not exposed to direct sunlight.

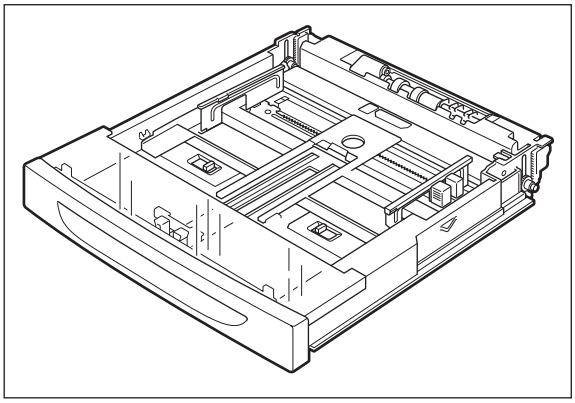
Loading Paper

This section explains how to load paper when the paper in the paper tray runs out.

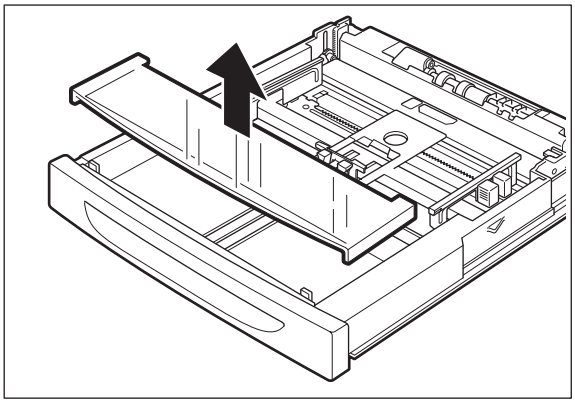
Loading Paper in Paper Tray

See "About Paper" on page 2-4 for details on the type and size of paper that can be loaded in the paper tray.

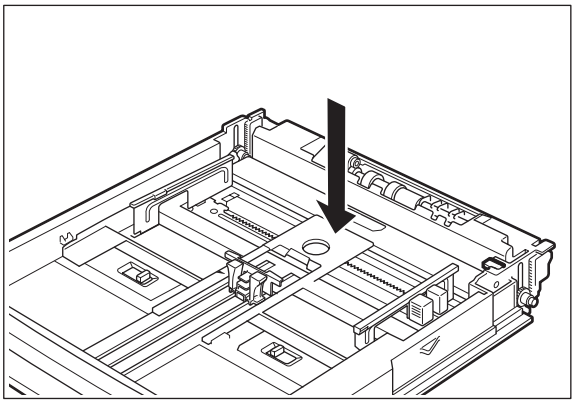
1. Place the paper tray on a flat surface.



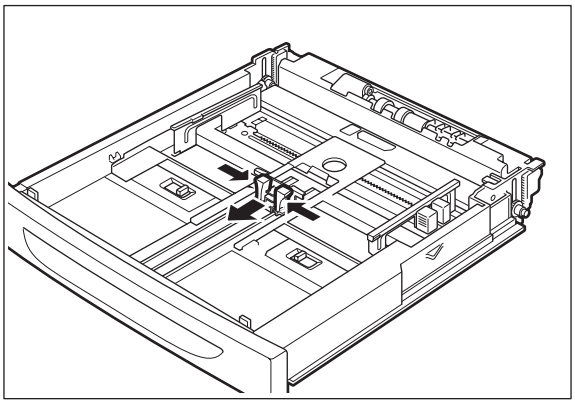
2. Remove the lid of the tray.



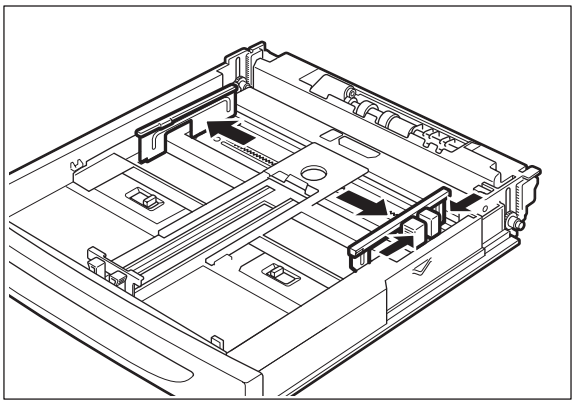
3. If the base plate of the paper tray is raised, push it down.



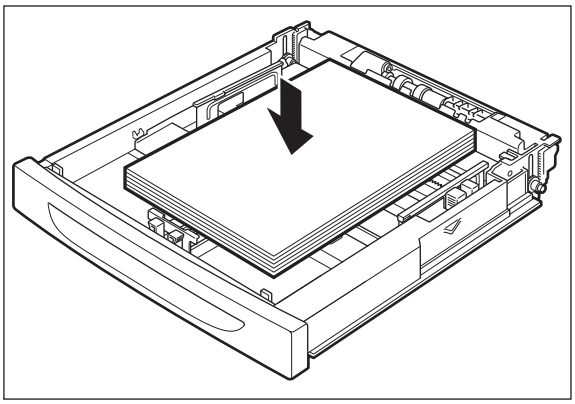
4. Squeeze the length guide and slide it to the desired paper size.



5. Squeeze the right width guide and slide it to the desired paper size.

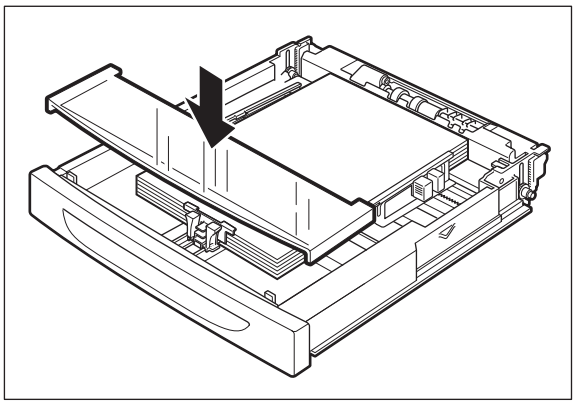


6. Load the paper with the side to be printed facing up and with all 4 corners aligned.



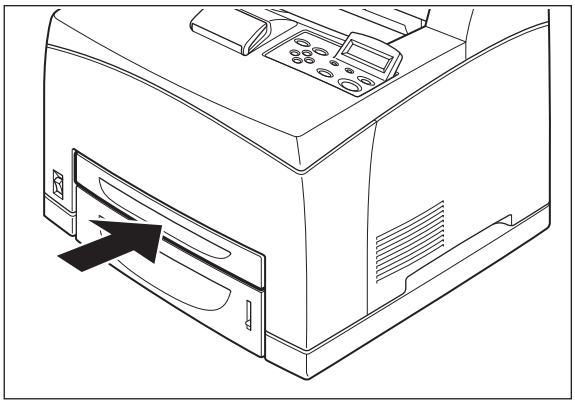
NOTE: Do not place paper over the right width guide. Do not load paper exceeding the maximum fill line or the maximum capacity allowed. Align the right width guide with the paper width correctly. If the right width guide is not in place, the paper will not be properly fed and cause paper jams. Load envelopes with the flaps closed.

7. Close the lid of the paper tray.



NOTE: The lid of the tray must be firmly closed. If not, the paper might become misaligned.

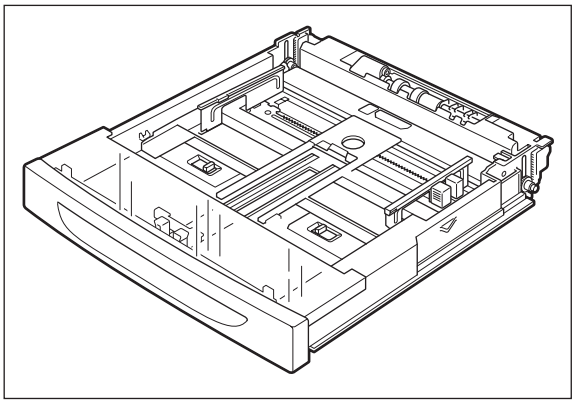
8. Push the paper tray completely into the printer.



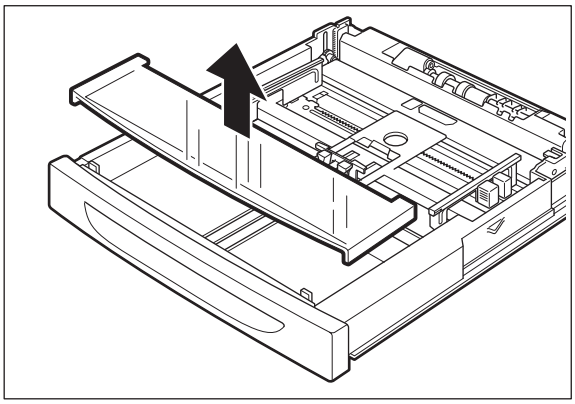
Loading Transparencies in the Paper Tray

NOTE: Transparencies to be used in this printer should be tested before purchase. Using unsuitable transparencies may lead to a printer malfunction.
If the output transparencies are allowed to stack up in the center output tray, paper jams may occur due to static electricity. Remove the transparencies from the tray as soon as they are output.

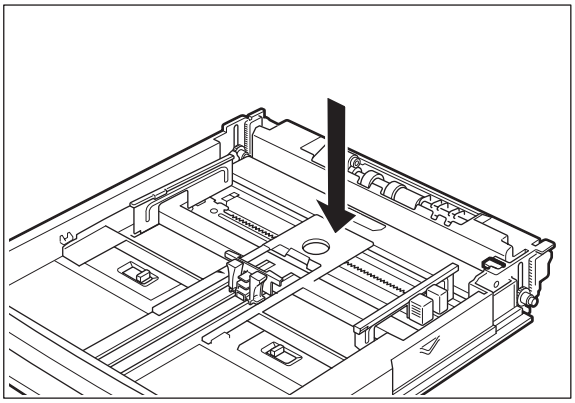
1. Place the paper tray on a flat surface.



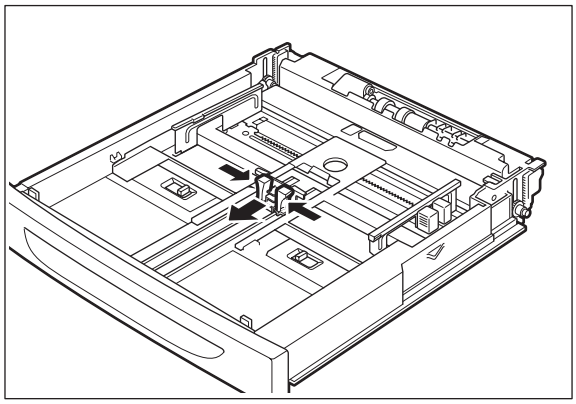
2. Remove the lid of the tray.



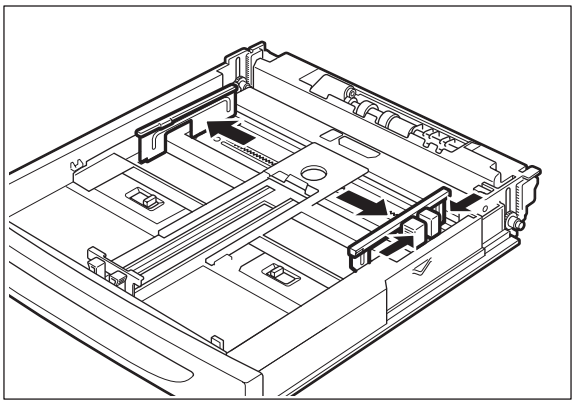
3. If the base plate of the paper tray is raised, push it down.



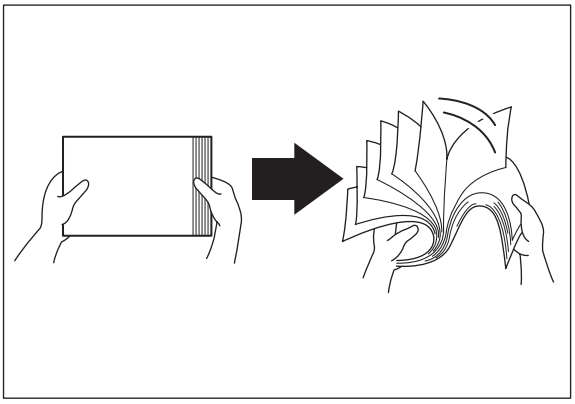
4. Squeeze the length guide and slide it to the desired transparency size.



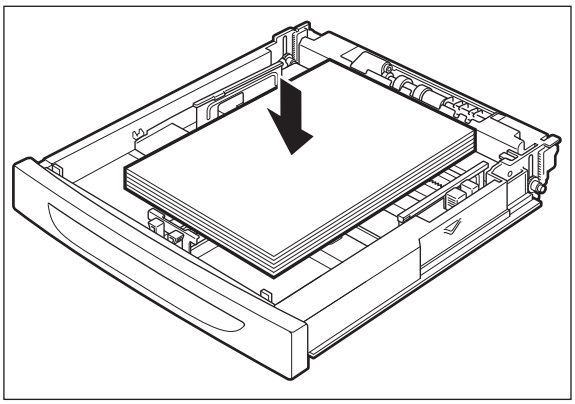
5. Squeeze the right width guide and slide it to the desired transparency size.



6. Fan the transparencies well in small amounts.

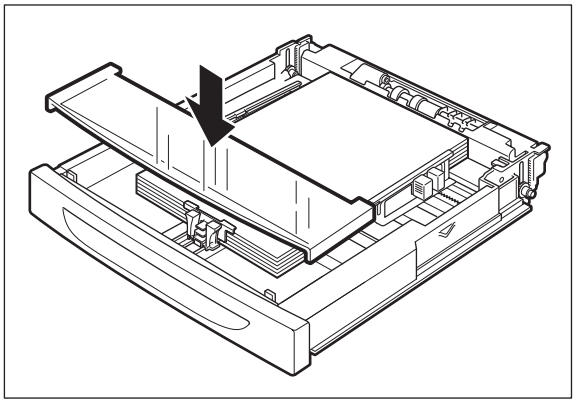


7. Load the transparencies with the side to be printed facing up and with all 4 corners aligned. Do not place the transparencies over the right width guide.



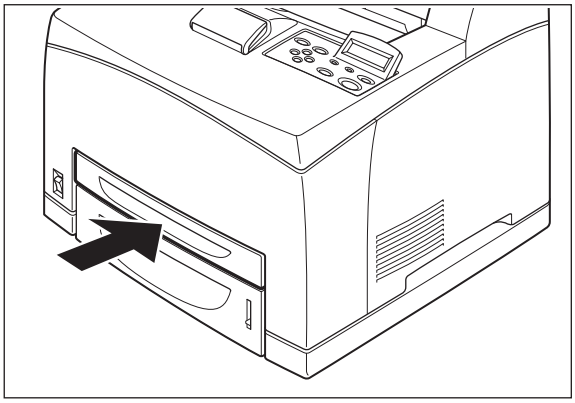
NOTE: Transparencies recommended for use with color printers may cause jams or fuser malfunctions. Do not use them.
Do not load transparencies exceeding the maximum capacity allowed.

8. Close the lid of the paper tray.



NOTE: The lid of the tray must be firmly closed. If not, the transparencies might become misaligned.

9. Push the paper tray completely into the printer.



Cleaning the Printer

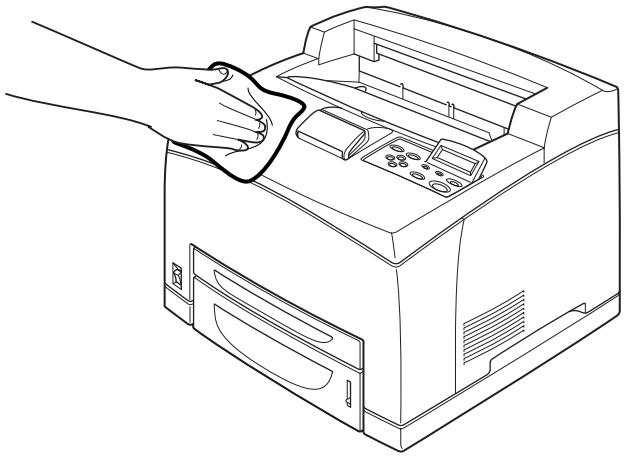
This section describes how to clean the printer in order to maintain the printer in good condition and print clean printouts all the time.

CAUTION: Be sure to switch off and unplug the machine before accessing the interior of the machine for cleaning, maintenance, or fault clearance. Access to a live machine's interior can cause electric shock.

Cleaning the exterior

Clean the exterior of the printer about once a month. Wipe the surface with a damp, well-wrung soft cloth. Then wipe with another dry soft cloth. For stubborn stains, moisten a soft cloth with a small amount of neutral detergent, and gently wipe the stain off.

NOTE: Do not spray the detergent directly on the printer. The liquid detergent may enter the printer through a gap and cause problems. Never use cleaning agents other than neutral detergent.

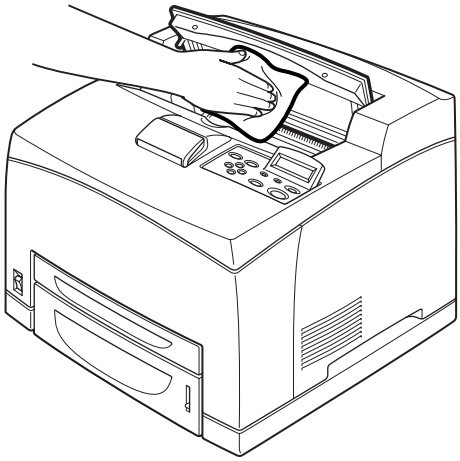


Cleaning the interior

After clearing paper jams or replacing the Toner Cartridge, inspect the interior of the printer before closing the top cover.

CAUTION: Never touch areas labeled as "High Voltage." You can get an electric shock. Never touch a labeled area found on or near the heat roller. You can get burned. If a sheet of paper is wrapped around the heat roller, do not try to remove it by yourself to avoid injuries or burns. Switch off the machine immediately, and contact our Printer Support Desk.

- Remove any remaining pieces of paper.
- Remove any dust or stains with a dry clean cloth.

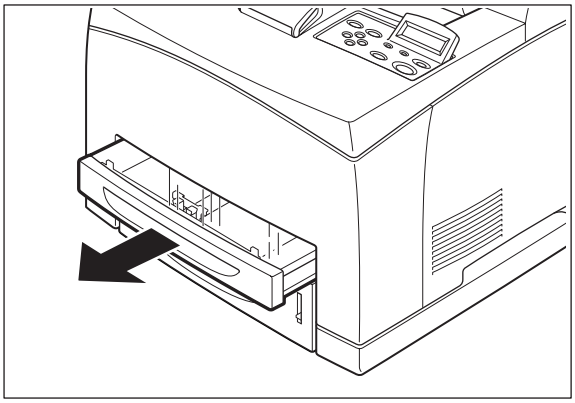


Cleaning the feed roll

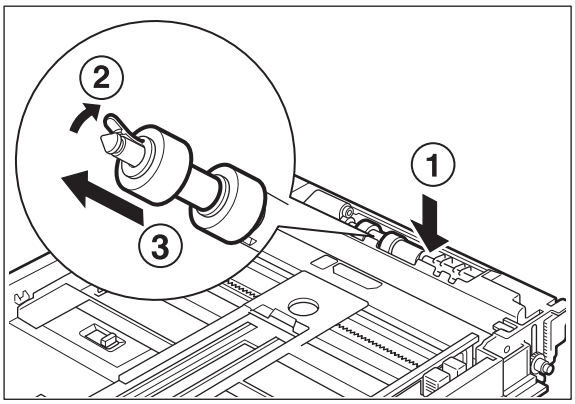
The paper feed roller can get contaminated when used with certain types of media. When paper feeding fails, follow the procedure below to wipe the feed roll gently with a well-wrung soft cloth.

NOTE: The following procedure explains how to clean the feed roll of the paper tray. Follow this procedure when cleaning the feed rolls inside the printer or of the tray module.

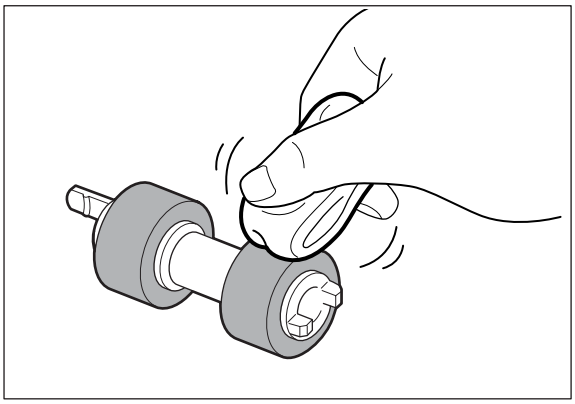
1. Pull out the paper tray from the printer.



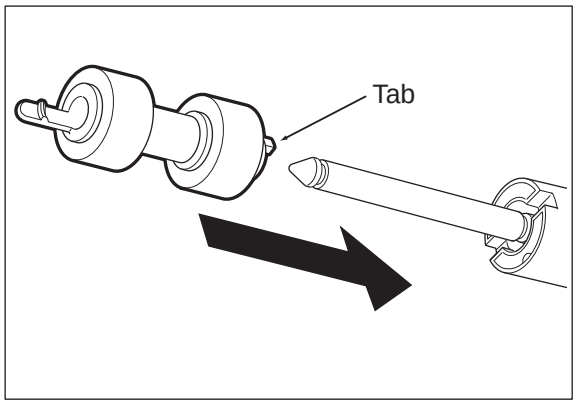
2. While pushing down the shaft of the feed roll (1), widen the tab of the feed roll to loosen it (2) and then slowly remove the feed roll from the shaft of the paper tray (3).



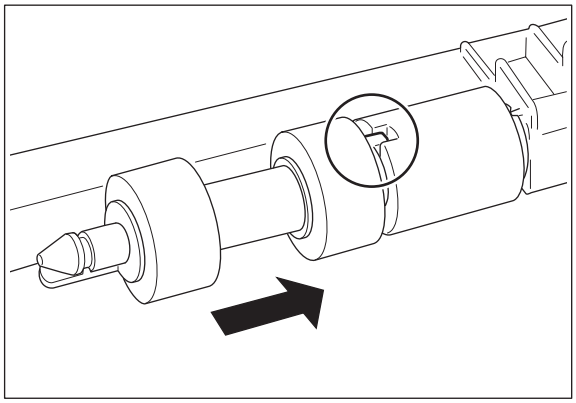
3. Wipe the rubber parts with a damp, well-wrung soft cloth.



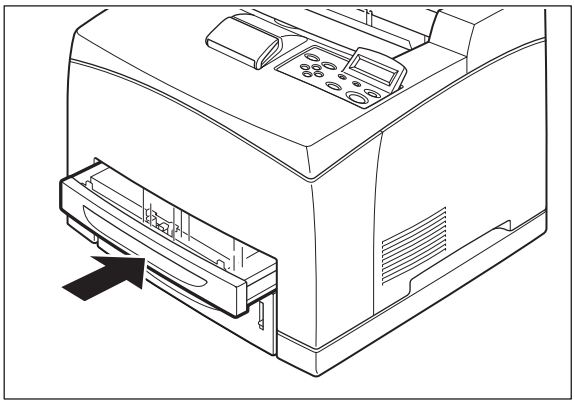
4. Hold the tab of the feed roll as shown in the diagram and slowly push it onto the shaft of the paper tray.



5. By aligning the small tabs on the feed roll with the slots of the shaft, push the feed roll completely in so that the tab fits into the slot.



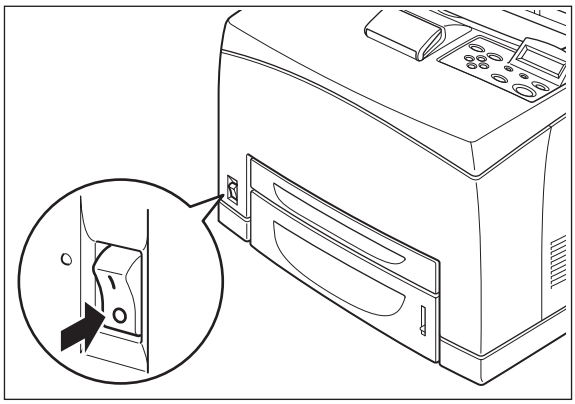
6. Push the paper tray completely into the printer.



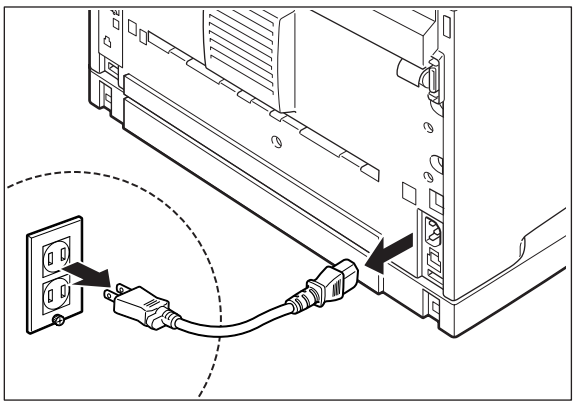
When Not in Use for a Long Time

Carry out the following procedure if you are not going to use the printer for a long period of time.

1. Press the power switch to the <O> position to turn the power off.



2. Remove all connection cords, such as the power cord and interface cables.



WARNING! Never touch a power cord with wet hands. Danger of electric shock exists. When unplugging the machine, grasp the plug instead of the cord. Forcibly pulling on a cord can damage it and cause fire or electric shock.

3. Remove the paper from the paper tray and store it in a location free of humidity and dust.

NOTE: See “About Paper” on page 2-4 for details on storing the paper.

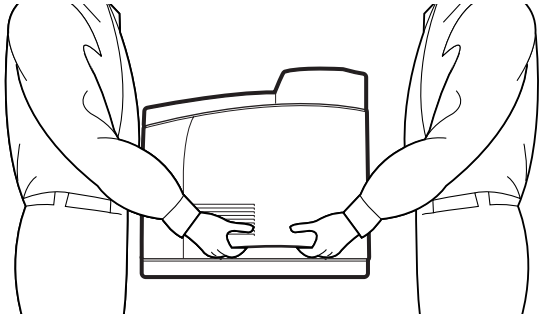
When Moving the Printer

Carry out the following procedure when moving the printer.

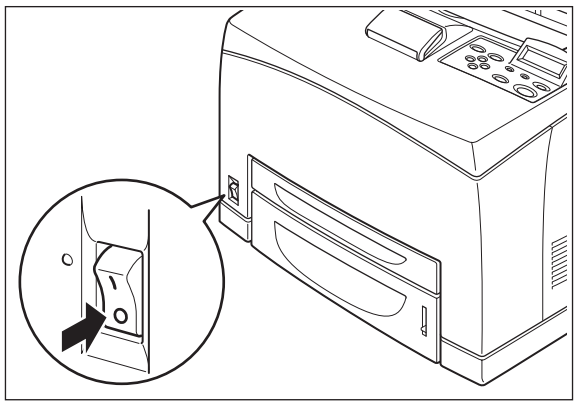
CAUTION: When lifting the machine, get a firm footing and bend your knees to avoid possible injuries to your back.

NOTE: The weight of this printer, without the optional accessories, paper tray, consumables and paper, is 21.0 kg. If the optional duplex module or tray module has been installed, uninstall it before moving the printer. Otherwise, they may fall to the ground and cause injuries. Refer to "Chapter 6 Optional Accessories" for details on uninstalling the optional accessories.

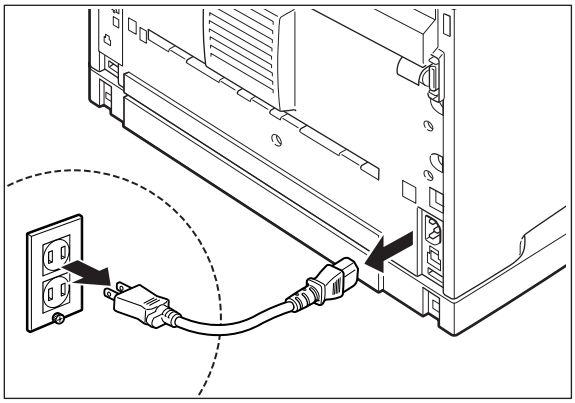
NOTE: When lifting the printer, there should be 2 persons, one in front and one behind the printer, to firmly grip the recessed areas provided on both sides of the printer. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping any other areas can cause the printer to fall and result in injuries.



1. Press the power switch to the <O> position to turn the power off.

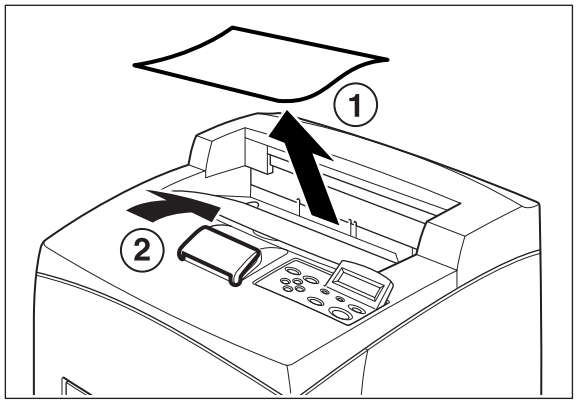


2. Remove all connection cords, such as the power cord and interface cables.

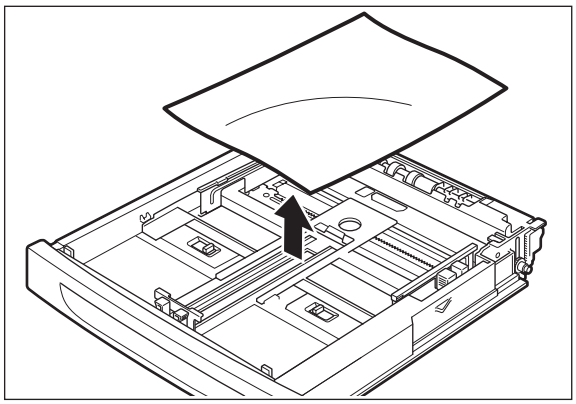


WARNING! Never touch a power cord with wet hands. Danger of electric shock exists. When unplugging the machine, grasp the plug instead of the cord. Forcibly pulling on a cord can damage it and cause fire or electric shock.

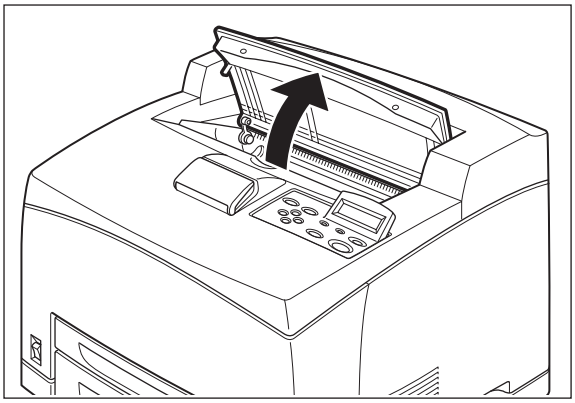
3. Remove any paper in the center output tray (1) and return the paper stopper to its original position, if it's extended (2).



4. Pull out the paper tray from the printer and remove any paper in the tray. Keep the paper wrapped and away from humidity and dirt.

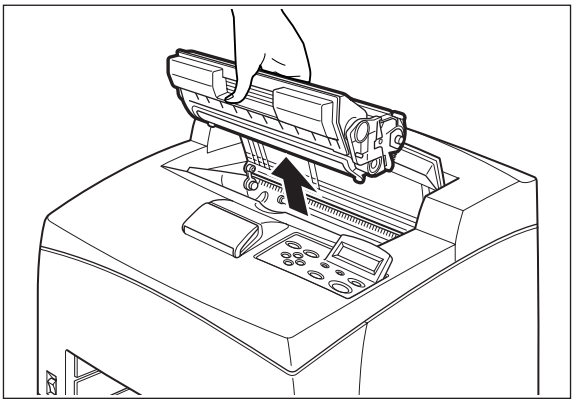


5. Open the top cover.



NOTE: Do not touch any parts inside the printer.

6. Hold the Toner Cartridge by the grip to pull it out slowly.

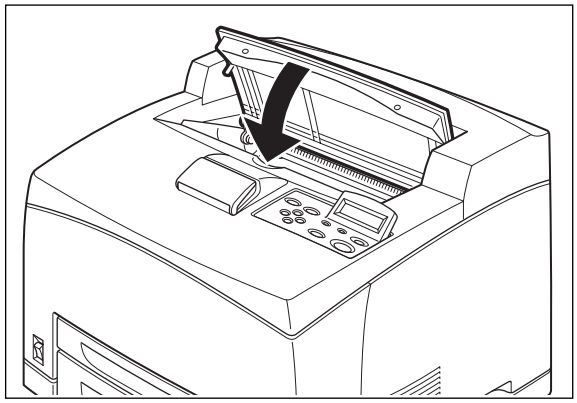


NOTE: It is necessary to remove the Toner Cartridge. If you move the printer with the Toner Cartridge installed, the toner may spill in the interior of the printer.

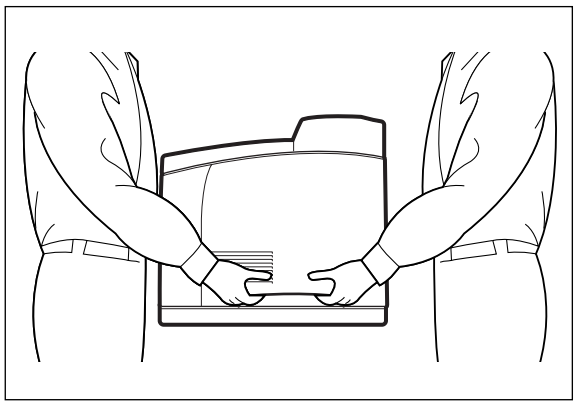
NOTE: Do not shake the Toner Cartridge after it has been removed from the printer. The toner will spill.

NOTE: After removing the Toner Cartridge, put it into its original aluminum bag or wrap it with a thick cloth to prevent it from being exposed to strong light.

7. Close the top cover securely.



8. Lift the printer and move it gently. If the printer is to be moved over a long distance, pack it inside a box.



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Chapter 3

Troubleshooting

In this Chapter . . .

- "When Problems Occur" on page 3-2
- "No Power" on page 3-2
- "Cannot Print" on page 3-2
- "Poor Print Quality" on page 3-3
- "Paper Incorrectly Fed" on page 3-9
- "Other Problems" on page 3-10
- "Warning Messages and Error Messages" on page 3-11

When Problems Occur

When problems occur while using the printer, search for the corresponding item from the following list of problems to carry out the appropriate action for the problem.

No Power

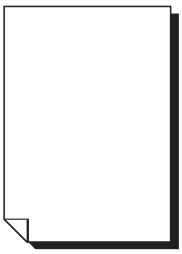
Status	Items to check	Action
There is no power.	Is the power switched off?	Press the printer switch to the <I> position to turn the power on. See “Turning the Printer On“on page 1-18.
	Is the power cord disconnected or not securely connected?	Switch off the power and connect the cord to the power outlet and printer again. Then, switch on the power. See “Connecting the Power Cord“on page 1-17.
	Is the power cord connected to a power outlet with the correct voltage?	Connect the printer exclusively to an outlet with a suitable voltage rating and current rating. Safety Notes
Power is interrupted frequently.	Printer may have malfunctioned.	Switch off the power to the printer, remove the plug from the power outlet and contact our Printer Support Desk.
	Is the power cord disconnected or not securely connected?	Switch off the power and connect the cord to the power outlet and printer again. Then, switch on the power. See “Connecting the Power Cord“on page 1-17.

Cannot Print

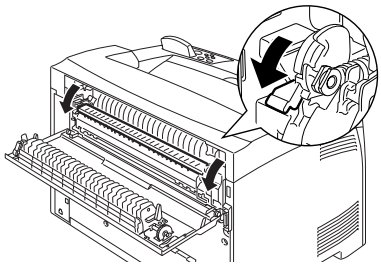
Status	Items to check	Action
Print instruction was sent but processing did not start.	Is the fault indicator lit? Is the fault indicator blinking? Is the print-ready indicator off?	Carry out the action according to the status of the indicator.
	Is there any message displayed on the control panel?	Check the message, then carry out the action.
	Is there any message displayed in the computer?	Check the message, then carry out the action.

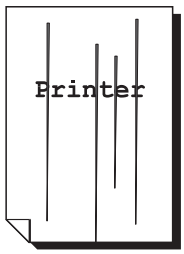
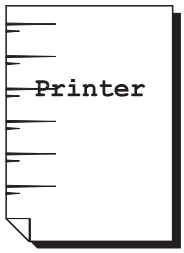
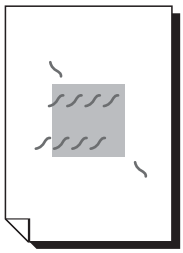
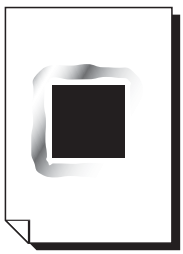
Poor Print Quality

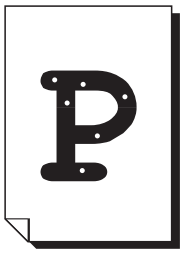
Paper Is Output Blank or All Black

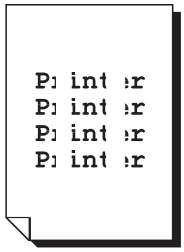
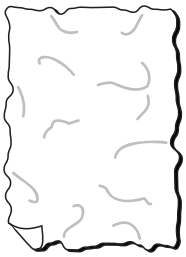
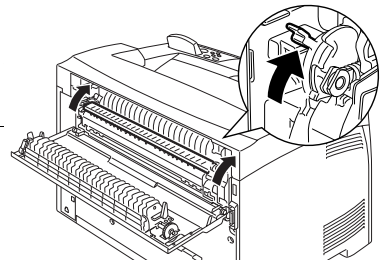
Status	Items to check	Action
Nothing is printed. 	Is the seal of the Toner Cartridge pulled out?	Pull out the seal. See “Replacing the Toner Cartridge“ on page 5-4.
	Are two or more sheets of paper fed simultaneously?	Remove and fan the papers well. Then load them again.
	Is the Toner Cartridge defective or damaged?	Replace it with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
	Is the Toner Cartridge correctly set?	Reset the Toner Cartridge correctly. See “Replacing the Toner Cartridge“ on page 5-4.
	Printer may have malfunctioned.	Contact our Printer Support Desk.
The entire paper is printed black. 	Is the Toner Cartridge defective or damaged?	Replace it with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
	Printer may have malfunctioned.	Contact our Printer Support Desk.

Printout Is Faded, Stained, Missing, Wrinkled, or Blurred

Status	Items to check	Action
Printing is faded and blurred. 	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.
	Is the paper damp?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.
	Is the Toner Cartridge defective or damaged?	Replace with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
	Is it time to replace the Toner Cartridge?	Replace with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
	Are the levers at both ends of the fuser unit pushed up?	Push down the levers. 
Black spots are printed. 	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.
	Is the Toner Cartridge defective or damaged? Ensure that you are not printing outside the non printable area. This is within 4 mm of the paper edge	Replace it with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.

Status	Items to check	Action
Black streaks are printed. 	Is the Toner Cartridge defective or damaged?	Replace it with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
Dirt appears at equal intervals. 	The feed route of the paper may be stained.	Print a few pages to remove the stains.
	Is the Toner Cartridge defective or damaged?	Replace it with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
Hair-like streaks are printed inside or outside the black halftone areas. 	Are you using paper that has been left unwrapped for a long period of time (especially when the humidity is low)?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.
Shadows are printed around black filled areas. 	Are you using paper that has been left unwrapped for a long period of time (especially when the humidity is low)?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.

Status	Items to check	Action
White dots appear in black filled areas. 	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.
	Is the Toner Cartridge defective or damaged?	Replace it with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
Printed image smudges when rubbed with your finger. 	Is the paper damp?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.
	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.
Printed image appears partially blank. 	Is the paper damp?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.
	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.
Image is printed at an angle. Image is printed at an unexpected location. 	Are the paper tray guides set in the correct positions?	Set the length guide and width guide in the correct positions. See “Loading Paper“ on page 2-11.

Status	Items to check	Action
Vertical blanks appear. 	Is the Toner Cartridge correctly set?	Reset the Toner Cartridge correctly. See “Replacing the Toner Cartridge“ on page 5-4.
	Is the Toner Cartridge defective or damaged?	Replace it with a new Toner Cartridge. See “Replacing the Toner Cartridge“ on page 5-4.
Paper is wrinkled. 	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.
	Is the paper damp?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.
	Is the paper correctly set?	
Envelopes are wrinkled.	Envelopes may be wrinkled depending on the type used.	After printing the envelopes, you must return the levers to their original positions.
Text is blurred. 	Is the paper damp?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.
	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.

Printing Is Not Clear

Status	Items to check	Action
Transparencies are not printed clearly.	Are the correct type of transparencies used?	Load the correct type of transparencies. See “About Paper“ on page 2-4.
	Are the transparencies correctly loaded in the paper tray?	Load the transparencies correctly in the paper tray. See “Loading Transparencies in the Paper Tray“ on page 2-13.
Postcards are not printed clearly.	Are the correct type of postcards used?	Load the correct type of postcards. See “About Paper“ on page 2-4.
	Are the postcards correctly loaded in the paper tray?	Load the postcards correctly in the paper tray.
Envelopes are not printed clearly.	Are the correct type of envelopes used?	Load the correct type of envelopes. “About Paper” on page 2-4.
	Are the envelopes correctly loaded in the paper tray?	Load the envelopes correctly in the paper tray.

Paper Incorrectly Fed

Status	Items to check	Action
Paper cannot be fed. Paper jams occur. Multiple sheets of paper are fed. Paper is fed at an angle.	Is the paper correctly set?	Load the paper correctly. For transparencies, postcards or envelopes, fan them well first to allow air to enter between each sheet before loading. See “Loading Paper“ on page 2-11.
	Is the paper damp?	Replace with paper from a new ream. See “Loading Paper“ on page 2-11.
	Is the correct type of paper used?	Load the correct type of paper. See “About Paper“ on page 2-4.
	Is the paper tray pushed in?	Push the paper tray completely into the printer.
	Is the paper jammed?	Remove the jammed paper. See “Clearing Paper Jams“ on page 4-2.
	Is the printer placed on a flat location?	Place the printer on a stable surface. See “Installation Environment“on page 1-2.
	Are the paper tray guides set in the correct positions?	Set the length guide and width guide in the correct positions. See “Loading Paper“ on page 2-11.
	Did you print any picture postcards?	Clean the feed roll. See “Cleaning the Printer“ on page 2-17.

Other Problems

Status	Items to check	Action
Strange noise occurs.	Is the printer placed on a flat location?	Shift the printer to a stable surface. See “Installation Environment“on page 1-2.
	Is the top cover open?	Close the top cover tight.
	Is the paper tray pushed in?	Push the paper tray completely into the printer.
	Are there foreign objects inside the printer?	Switch off the power and remove any foreign objects inside the printer. If the object cannot be removed unless the printer is disassembled, contact our Printer Support Desk.

Warning Messages and Error Messages

The control panel display shows a warning message or error message when there is a problem with the printer. Some messages indicate routine status conditions such as an empty paper tray, while others indicate that a sheet of paper has jammed in a specific area of the printer. Some messages indicate more serious printer problems that may require the help of a service technician.

Warning messages use only the second line of the display and indicate conditions that do not prevent the printer from operating. For example, if Tray 1 is out of paper but the printer is currently drawing paper from Tray 2, a warning message will appear on the second line of the display indicating that Tray 1 is out of paper—but the printer will continue to operate, drawing paper from Tray 2.

Error messages use both lines of the display and indicate conditions that prevent the printer from operating. The first line of an error message contains the error code and type of error, while the second line of the display contains information about the action required to recover from the error.

When the control panel displays a warning or error message, refer to the following tables and complete the actions recommended for the specific message that is shown.

Warning Messages

The following table lists warning messages, possible causes, and the actions required to correct each cause.

Warning Message Line 2 of display	Possible Cause	Action
Paper Out Tray 1	There is no paper in Tray 1.	Add paper to the tray.
Paper Out Tray 2	There is no paper in Tray 2.	Add paper to the tray.
Paper Out Tray 3	There is no paper in tray 3.	Add paper to the tray.
Paper Out Tray 4	There is no paper in tray 4.	Add paper to the tray.
Output Tray Full	The output tray is full.	Remove paper from the tray.
Offset Tray Full	The offset output tray is full.	Remove paper from the tray.
Toner Low	The toner is low.	Replace the toner cartridge soon.
Maint Req	Maintenance is required.	Install User Maintenance Kit.

Error Messages

The table below lists error messages, the possible causes of each error, and the actions required to recover from each error.

Error Message Line 1	Error Message Line 2	Possible Cause	Action
MISFEED JAM **E3 FUSER JAM** **EXIT JAM** **OFFSET TRAY JAM** **E7 JAM DUPLEX**	Remove Paper	There is a paper jam inside the printer.	Remove the jammed paper from the indicated location.
COVER OPEN	Close Top Cover	The top cover is open.	Close the top or rear cover.
COVER OPEN	Close Rear Cover	The rear cover is open.	Close the rear cover.
COVER OPEN	Close OCT Cover	The offset tray cover is open.	Close the offset tray cover.
TRAY 1 MISSING	Insert Tray	Tray 1 is not in the printer.	Insert the tray.
TRAY 2 MISSING	Insert Tray	Tray 2 is not in the optional feeder.	Insert the tray.
TRAY 3 MISSING	Insert Tray	Tray 3 is not in the optional feeder.	Insert the tray.
TRAY 4MISSING	Insert Tray	Tray 4 is not in the optional feeder.	Insert the tray.
LOAD PAPER TRAY1	Paper Size/ Paper Type	Tray 1 is empty.	Load paper into the tray.
LOAD PAPER TRAY2	Paper Size/ Paper Type	Tray 2 is empty.	Load paper into the tray.
LOAD PAPER TRAY3	Paper Size/ Paper Type	Tray 3 is empty.	Load paper into the tray.
LOAD PAPER TRAY4	Paper Size/ Paper Type	Tray 4 is empty.	Load paper into the tray.
PAPER SIZE ERROR	Paper Size/ Press Start	The paper size is not supported by the printer.	Check paper size specifications and load paper that meets specifications.
OUTPUT TRAY FULL	Remove Paper	The output tray is full.	Remove paper from the tray.
OFFSET TRAY FULL	Remove Paper	The offset output tray is full.	Remove paper from the tray.
TONER MISSING	Install/Reset	The toner cartidge is missing or not installed correctly.	Install the toner cartridge or reisntall the toner correctly.
ID MISMATCH		Wrong toner cartridge is installed.	Remove toner cartridge and install the correct one.

Error Message Line 1	Error Message Line 2	Possible Cause	Action
ROS FAILURE	Call Service	The ROS has failed.	Turn the printer off, then turn it on. If the problem reoccurs, contact an authorized service provider.
FUSER FAILURE	Call Service	The fuser has failed.	
OFFSET TRAY FAIL	Call Service	The offset tray was removed or has failed.	
OPTION TRAY FAIL	Call Service.	One of the optional trays has failed.	
DUPLEX FAILURE	Call Service	The duplexer was removed or has failed.	
MAIN MOTOR FAIL	Call Service	The main motor has failed.	
ENGINE NV FAIL	Call Service	The engine has failed.	
FAN FAILURE	Call Service	The fan has failed.	
MAINT REQ	Press Start	The printer needs maintenance.	Install User Maintenance Kit.

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Chapter 4

Clearing Paper Jams

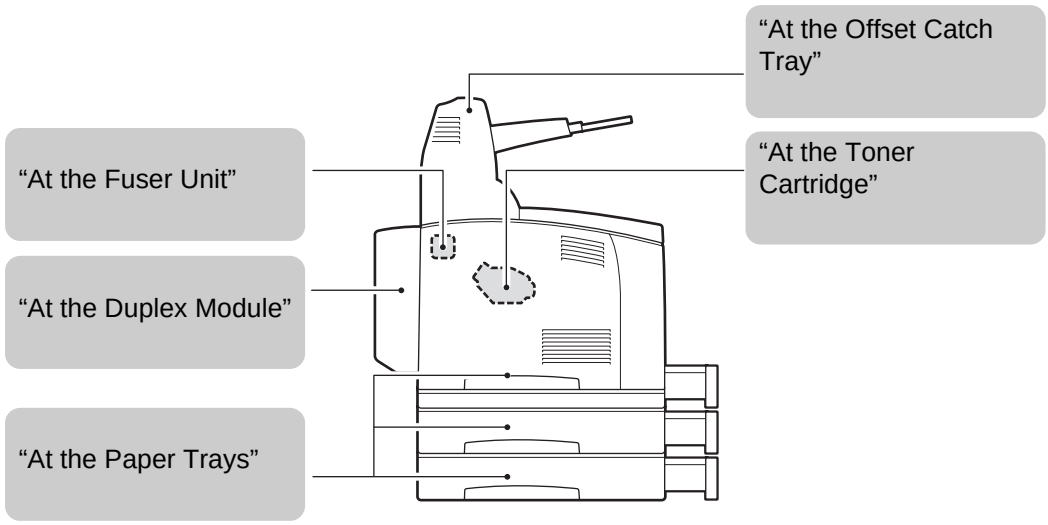
In this Chapter . . .

- "Clearing Paper Jams" on page 4-2
- "At the Fuser Unit" on page 4-5
- "At the Toner Cartridge" on page 4-8
- "At the Duplex Module" on page 4-10
- "At the Offset Catch Tray" on page 4-12

Clearing Paper Jams

When there is a paper jam, refer to the following diagram and the description of the action to be taken to remove the paper immediately.

NOTE: The diagram below shows the printer with the two optional tray modules, duplex module, and offset catch tray installed.



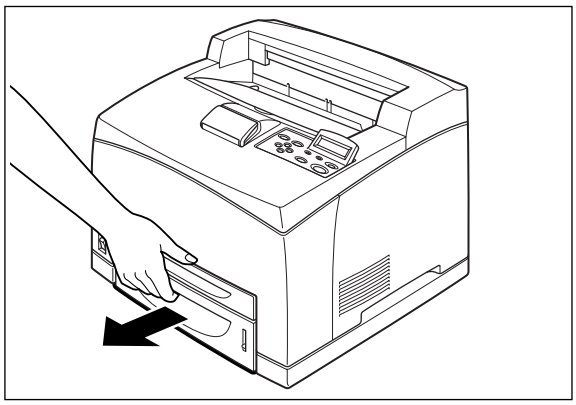
CAUTION: Never touch areas labeled as "High Voltage." You can get an electric shock. Never touch a labeled area found on or near the heat roller. You can get burnt. If a sheet of paper is wrapped around the heat roller, do not try to remove it by yourself to avoid injuries or burns. Switch off the machine immediately, and contact our Printer Support Desk.

NOTE: If the jammed paper is removed without opening the top cover, you still need to open and close the top cover. Doing this will remove the error message.

NOTE: Paper jams could be due to the printer installation environment and type of paper used. For details on selecting the appropriate location to install the printer, refer to "Installation Environment" on page 1-2. For details on selecting the correct type of paper, refer to "About Paper" on page 2-4.

At the Paper Trays

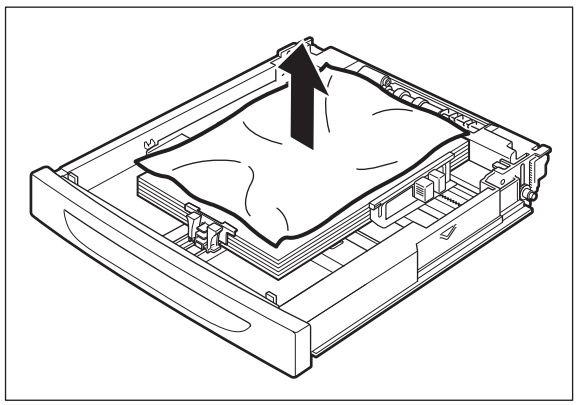
1. Pull the paper tray out of the printer.
   The paper tray must be pulled out completely. If the paper tray is pulled out halfway and pushed in again, the paper may be damaged.



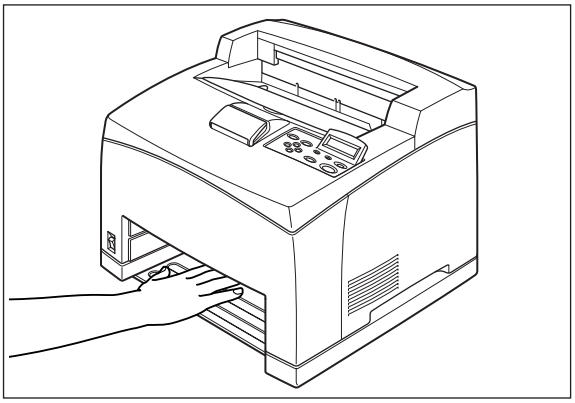
NOTE: If the paper is jammed inside the printer and behind the first level paper tray, pull out both the first and the second level paper trays.

NOTE: If the paper is jammed inside the printer and behind the second level paper tray, pull out only the second level paper tray.

2. Remove any wrinkled paper in the paper tray.



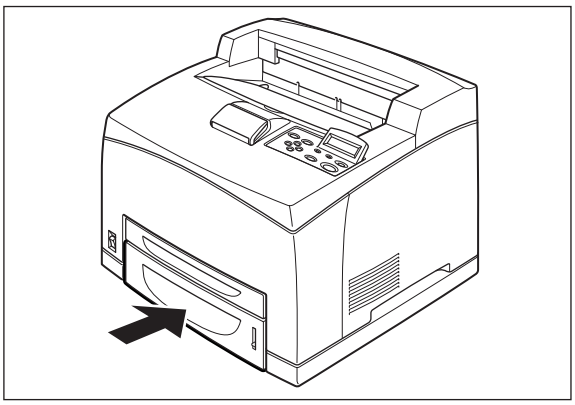
3. Remove any paper jammed inside the printer.



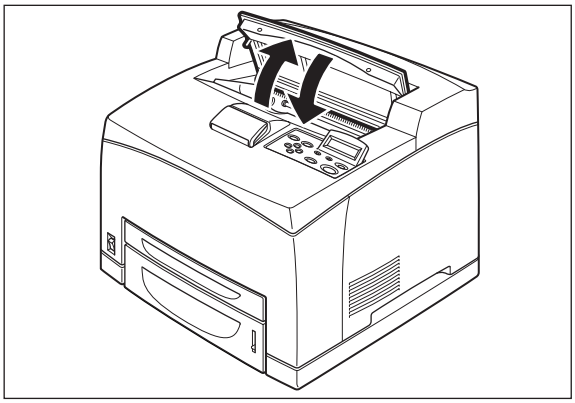
NOTE: If the printer is installed with the two optional tray modules, examine the interior of all the tray modules.

NOTE: If the printer is installed with the two optional tray modules and the A5-sized paper (length 148.5 mm) of the short edge feed is jammed inside the feeder, use both hands to grip the both ends of the paper to pull it out to the front.

4. Push the paper tray completely into the printer.

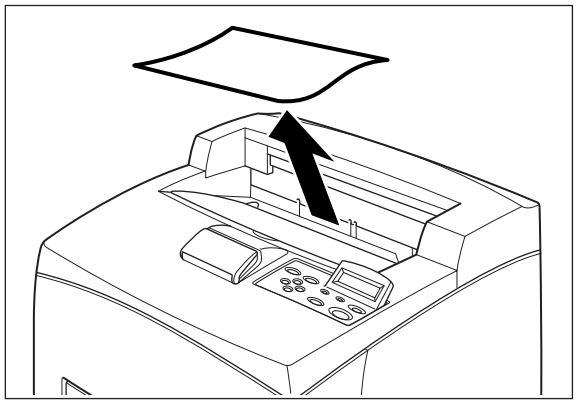


5. Open and close the top cover.



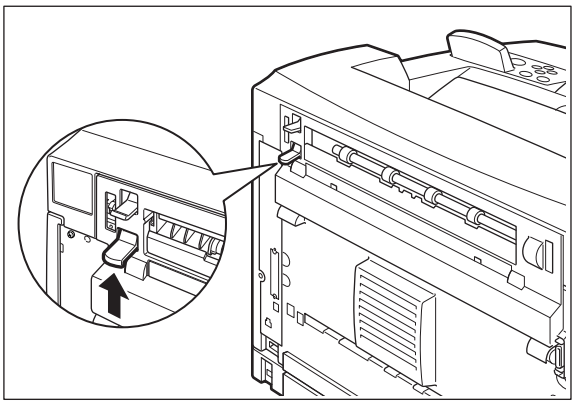
At the Fuser Unit

1. Remove any paper from the center output tray.

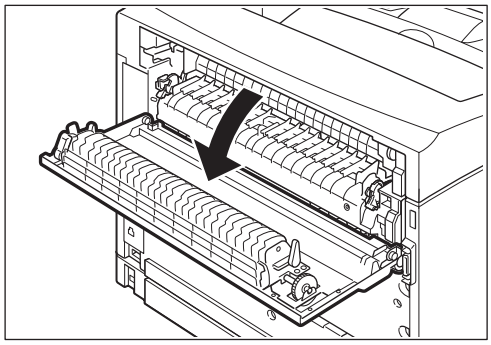


NOTE: If the duplex unit is installed, open the cover of the duplex unit first. See "At the Duplex Module" on page 4-10.

2. Lift the second lever from the top left corner of the back of the printer.

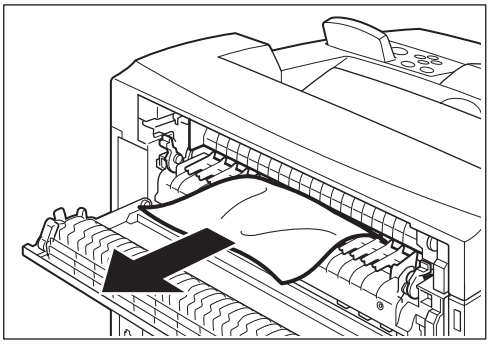


3. Open the rear cover.



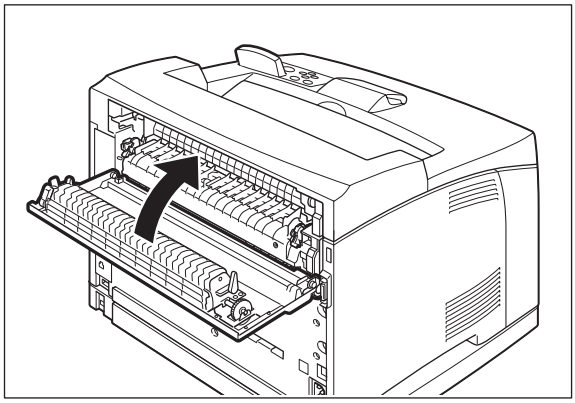
NOTE: Do not touch any parts inside the printer.

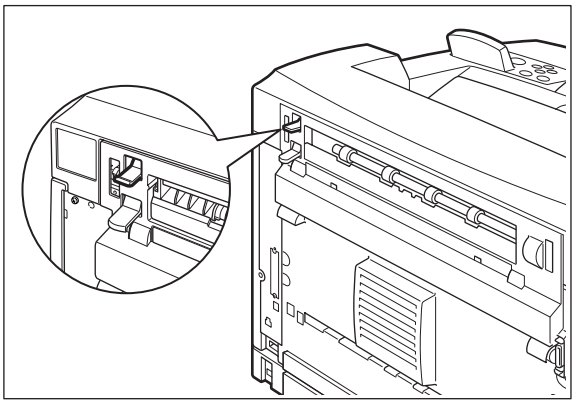
4. Open the cover of the fuser unit and remove any jammed paper. If paper is torn, check for any remaining torn pieces of paper.



NOTE: The fuser unit is hot. Be careful not to touch it as you can get burned.
Make sure that the levers at both ends of the fuser unit are returned to the positions they were in before clearing the jam..
If you let go of the cover of the fuser unit, it will return to its original position.

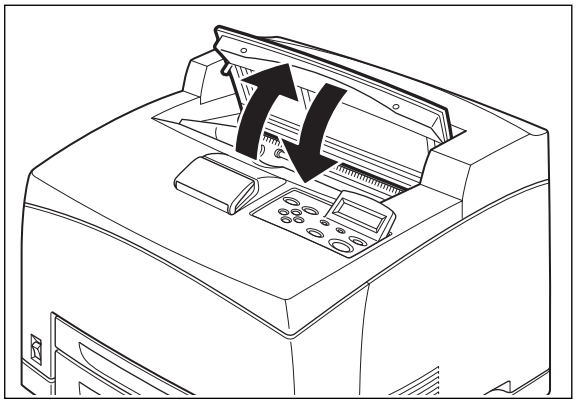
5. Close the rear cover.





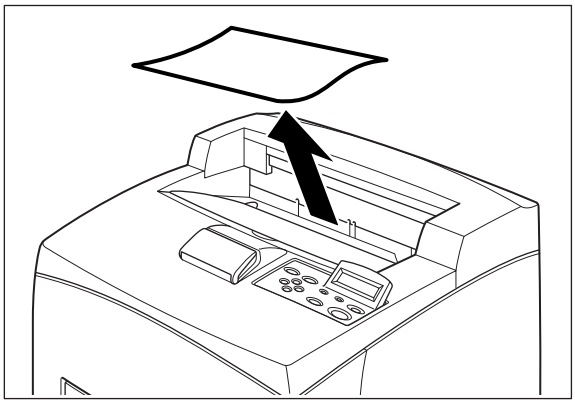
NOTE: Make sure that the levers at the rear of the printer, as shown in the diagram, are returned to the positions they were in before clearing the jam.

6. Open and close the top cover.

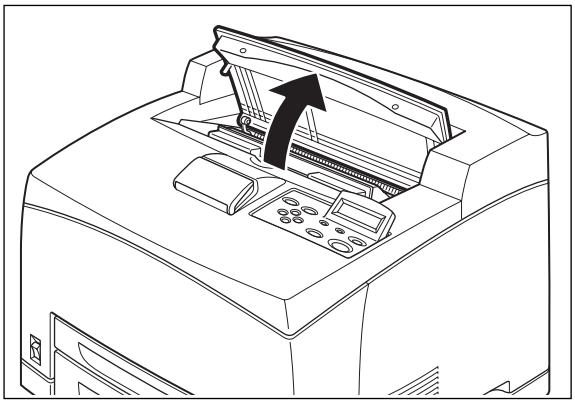


At the Toner Cartridge

1. Remove any paper in the center output tray.

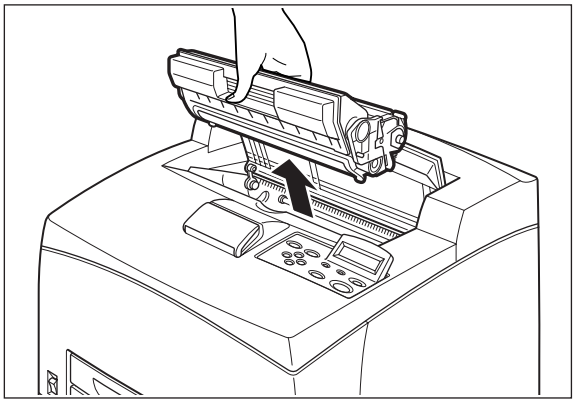


2. Open the top cover.



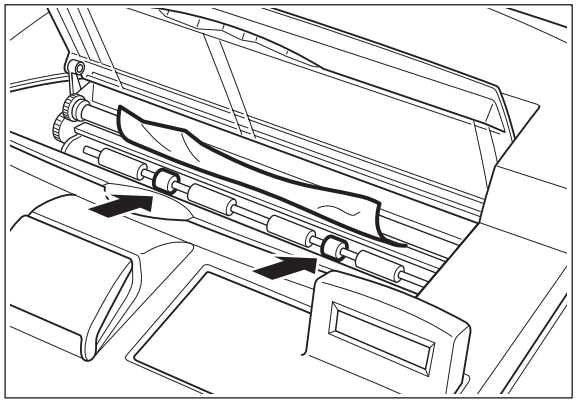
NOTE: Do not touch any parts inside the printer.

3. Hold the Toner Cartridge by the grip and pull it out slowly. Then place it on a flat surface.

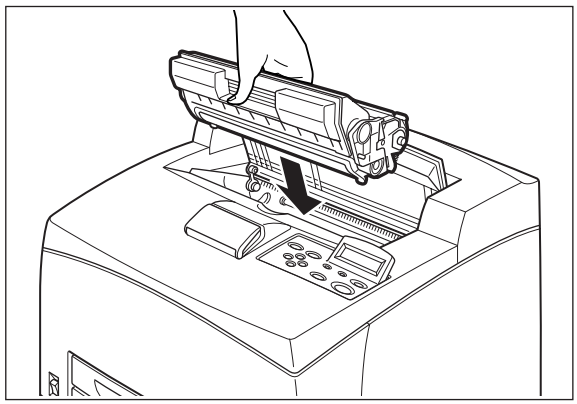


NOTE: To prevent the toner from dirtying the surface, lay a piece of paper down and place the Toner Cartridge on this.

4. Examine the interior from which the Toner Cartridge has been taken out and remove any jammed paper. By rotating the rollers as shown in the diagram, the paper will be loosened and can be removed easily. If paper is torn, check for any remaining torn pieces of paper.

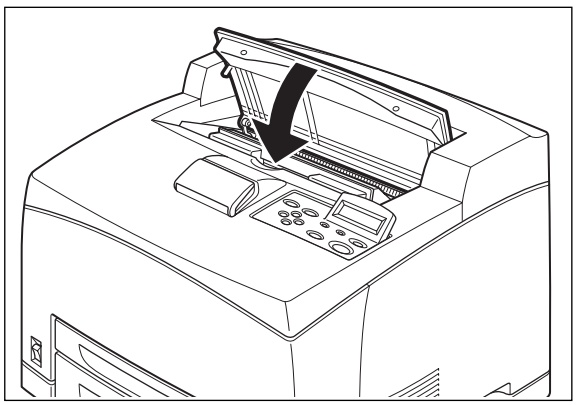


5. Hold the Toner Cartridge by the grip and insert it into the slot inside the printer.



NOTE: Do not touch any parts inside the printer. Ensure that the Toner Cartridge is correctly installed.

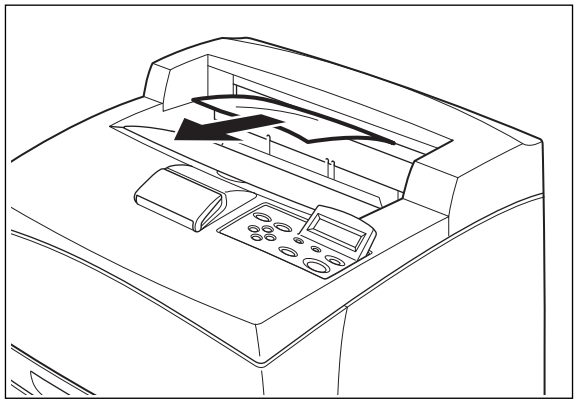
6. Close the top cover securely.



At the Duplex Module

At the paper exit

1. Examine the paper exit and remove any jammed paper. If paper is torn, check for any remaining torn pieces of paper.

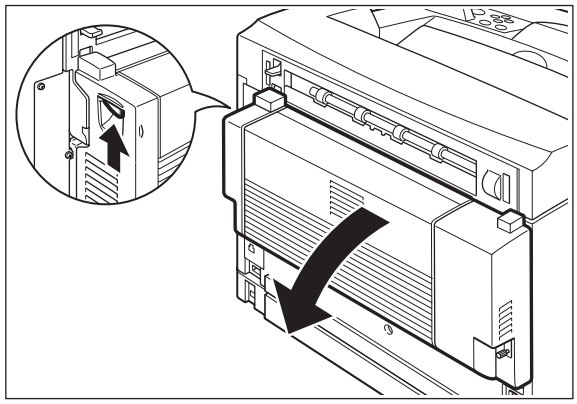


NOTE: If the paper is difficult to remove, carry out the operation in the following section, See “At the interior of the top cover” on page 4-10.

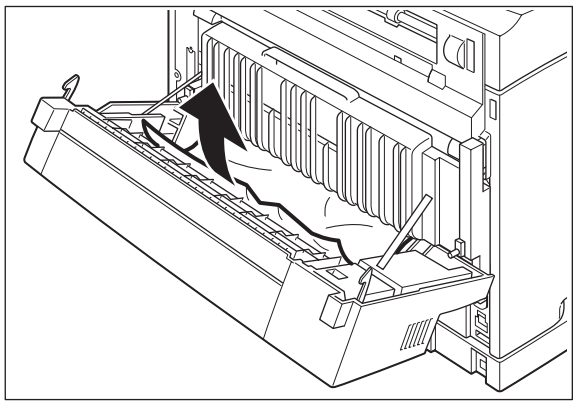
2. Open and close the top cover.

At the interior of the top cover

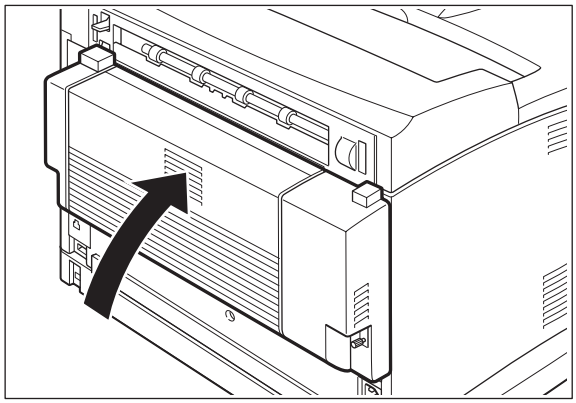
1. Lift the lever at the top left hand side of the duplex module to unlock it and open the top cover of the duplex module.



2. Examine the interior of the top cover and remove any jammed paper. If paper is torn, check for any remaining torn pieces of paper.

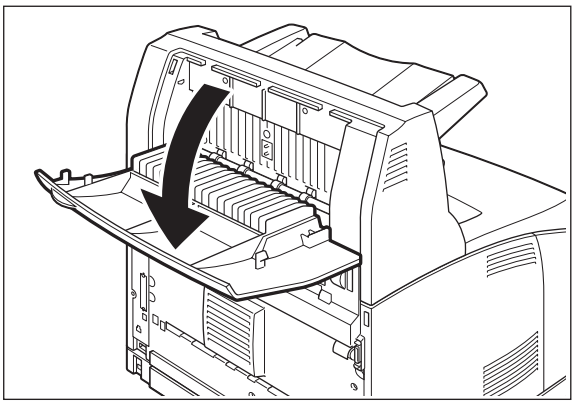


3. Close the top cover of the duplex module.

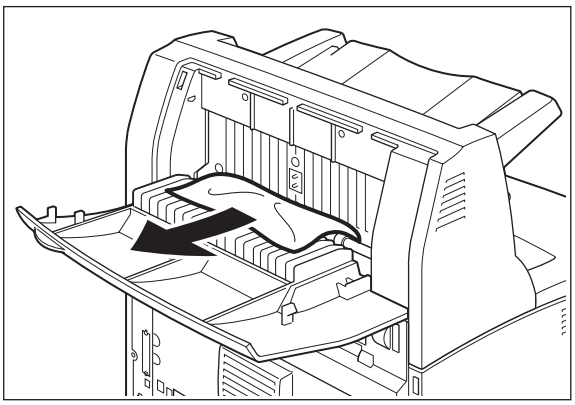


At the Offset Catch Tray

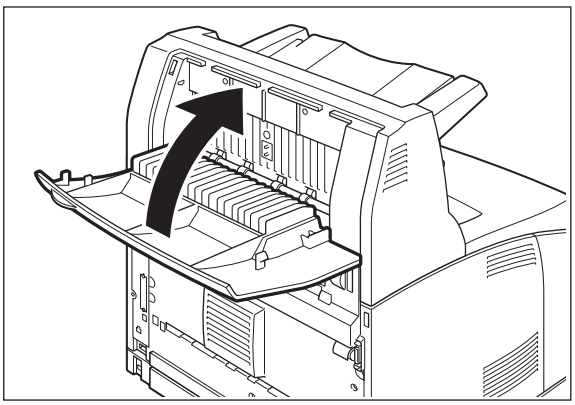
1. Open the offset catch tray cover by pulling the tab at the top left of the cover.



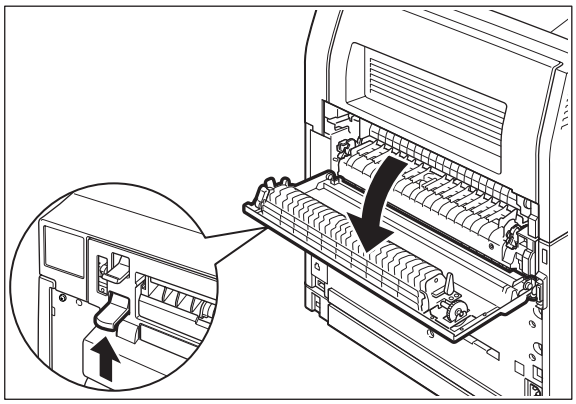
2. Remove any jammed paper.



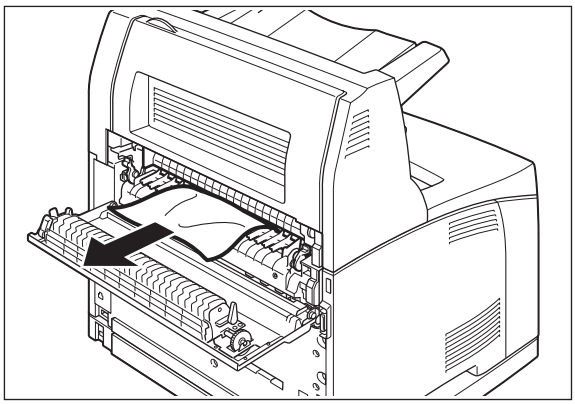
3. Close the offset catch tray cover.



4. Lift up the second lever from the top left corner of the back of the printer to open the rear cover.



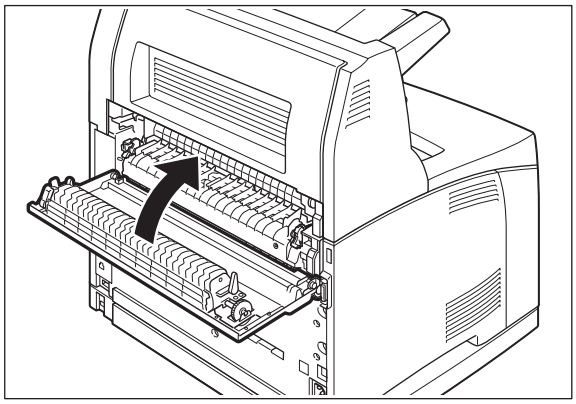
5. Remove any jammed paper. If paper is torn, check for any remaining torn pieces of paper.



NOTE: The fuser unit is hot. Be careful not to touch it as you can get burned.Make sure that the levers at both ends of the fuser unit are returned to the positions they were in before clearing the jam.

NOTE: If you let go of the cover of the fuser unit, it will return to its original position.

6. Close the rear cover.



NOTE: Make sure that the levers at the rear of the printer, as shown in the diagram, are returned to the positions they were in before clearing the jam.

◆ ◆ ◆

Chapter 5

About Consumables

In this Chapter . . .

- "Available Consumables" on page 5-2
- "Toner Cartridge" on page 5-4
- "Fuser Unit" on page 5-8
- "Transfer Roll Cartridge" on page 5-12
- "Feed Roll" on page 5-16

Available Consumables

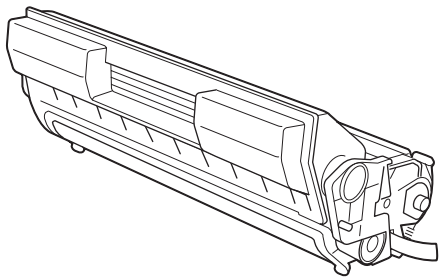
The following consumables are available for this printer. To order these, contact our Printer Support Desk.

Toner Cartridge

The Toner Cartridge includes the toner and the photosensitive drum. If the toner in the Toner Cartridge is insufficient, the printout will become light and blurred. If it is time for replacement, replace with a new Toner Cartridge.

The following Toner Cartridge is available:

- 17 Kpv: can print approximately 17,000 pages



NOTE: The possible number of pages that can be printed is based on Letter size paper with a print ratio of 5% and the default density setting using one Toner Cartridge. The number of pages that can be actually printed varies according to the conditions of use.

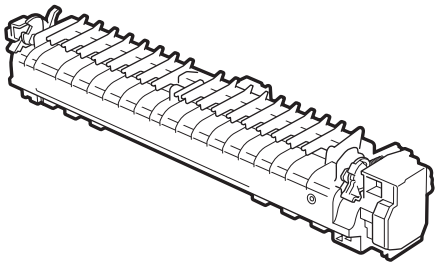
IMPORTANT: Use of Toner Cartridges not recommended by our company may impair print quality or printer performance. Use only Toner Cartridges recommended by our company on this printer.

NOTE: See “Toner Cartridge” on page 5-4 for details on how to replace the Toner Cartridge.

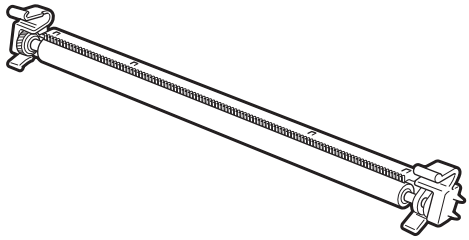
Regular replacement parts

Regular replacement parts packaged together include the fuser unit, the transfer roll cartridge, and the feed roll. About 200,000 pages for a fuser unit, a transfer roll cartridge and a feed roll can be printed. The printer will display the warning message "Maintenance Reqd press start" when this 200,000 page limit is reached. If you press start you will be able to carry on printing. However, you will need to order the maintenance kit and replace these part soon after. After installing the maintenance kit, you should go to the "System Menu" and select "Reset Maint Reqd" to reset the counter and clear the warning message.

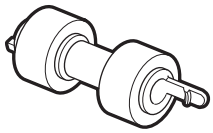
Fuser unit



Transfer roll cartridge



Feed roll



NOTE: The possible number of pages that can be printed is based on Letter size paper with a print ratio of 5% and the default density setting. The number of pages that can be actually printed varies according to the conditions of use.

Refer to: "Fuser Unit" on page 5-8 for details on how to replace the fuser unit.
"Transfer Roll Cartridge" on page 5-12 for details on how to replace the transfer roll cartridge.
"Feed Roll" on page 5-16 for details on how to replace the feed roll.

Toner Cartridge

This section explains about the Toner Cartridge.

Cautions on Handling the Toner Cartridge

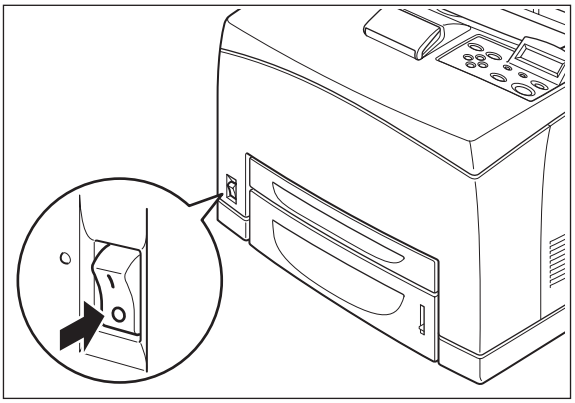
When handling the Toner Cartridge, take note of the following points:

WARNING! Never throw an Toner Cartridge into an open flame. It can cause an explosion and you can get burned.

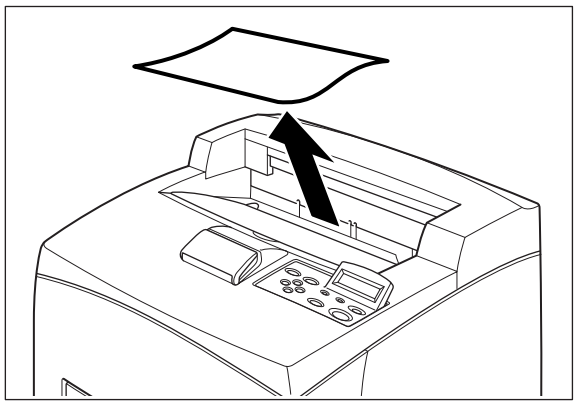
- Do not subject it to direct sunlight or strong light.
- When installing the Toner Cartridge, select a location not subject to strong light and try to finish the installation within 5 minutes.
- Do not touch the surface of the photosensitive drum. Do not let the Toner Cartridge stand or place it upside down. The drum might get damaged.
- A drum shutter protects the photosensitive drum from light. Do not open the drum shutter.
- Although the toner is not harmful to the body, wash it off immediately if your hands or clothes are stained with it.
- To ensure reliable operation you should replace your Toner cartridge within one year of installing it

Replacing the Toner Cartridge

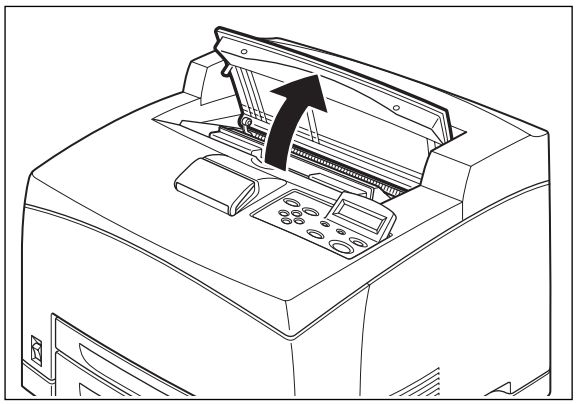
1. Switch off the power of the printer.



2. Remove any paper in the center output tray.

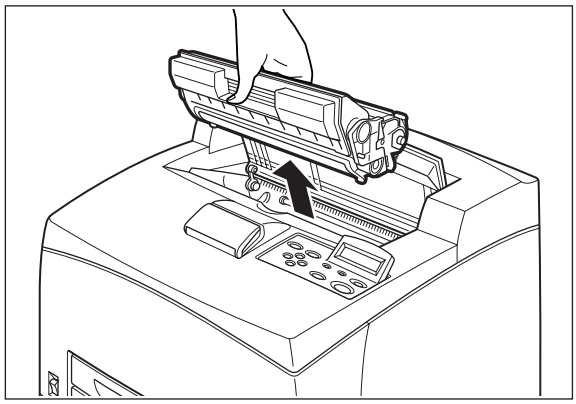


3. Open the top cover.



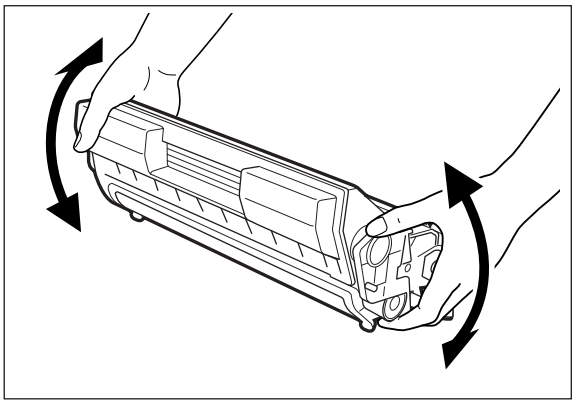
NOTE: Do not touch any parts inside the printer.

4. Hold the Toner Cartridge by the grip and pull it out slowly.



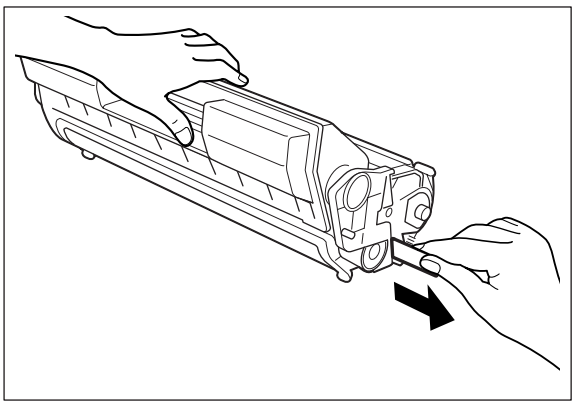
NOTE: To prevent the toner from dirtying the floor, lay a piece of paper on the floor first before putting the Toner Cartridge down.

5. Take the new Toner Cartridge out of the box and shake it 7 to 8 times as shown in the diagram.



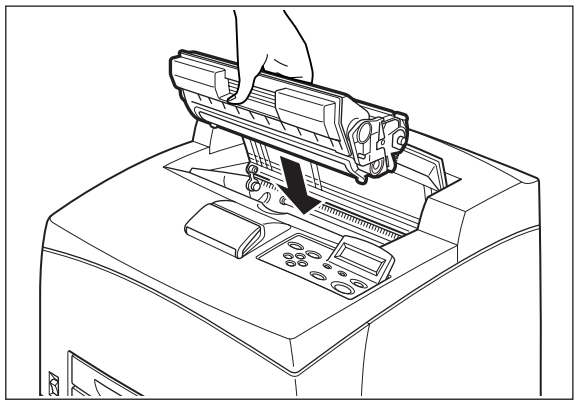
IMPORTANT: If the toner is not evenly spread out, the print quality may drop. Also, if you did not shake the cartridge well, there may be operating noise or the interior of the Toner Cartridge may be damaged during operation.
Do not touch the surface of the photosensitive drum.

6. Place the Toner Cartridge on a flat surface and pull out the seal horizontally.



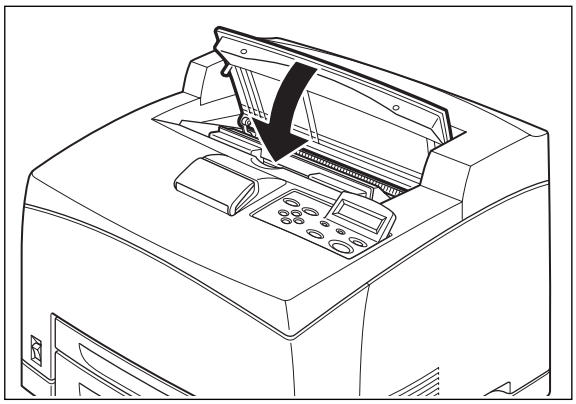
IMPORTANT: When pulling out the seal, pull it out horizontally. The tape might break if it is pulled out diagonally.
After the seal has been pulled out, do not shake or dump the Toner Cartridge.

7. Hold the Toner Cartridge by the grip and insert it into the slot inside the printer.



IMPORTANT: Do not touch any parts inside the printer.
Ensure that the Toner Cartridge is firmly set.

8. Close the top cover securely.



9. Select "Reset Toner life" which is in the system menu.

Fuser Unit

This section explains about the fuser unit.

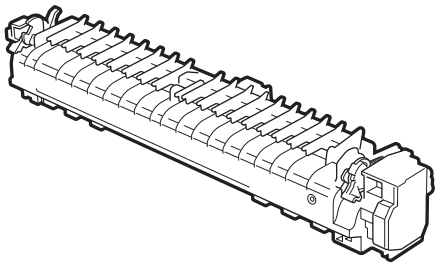
Caution on Handling the Fuser Unit

The fuser unit is included as one of the regular replacement parts. Before replacing the fuser unit, open the box of the regular replacement parts and get the new fuser unit ready.

When handling the fuser unit, take note of the following points:

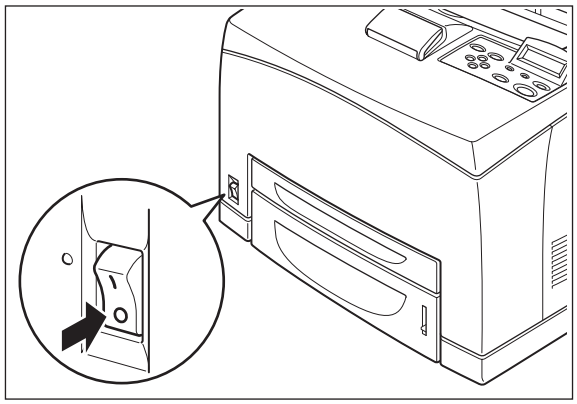
CAUTION: Never touch a labeled area found on or near the heat roller. You can get burnt. If a sheet of paper is wrapped around the heat roller, do not try to remove it by yourself to avoid injuries or burns. Switch off the machine immediately, and contact our Printer Support Desk.
Be sure to switch off and unplug the machine before accessing the interior of the machine for cleaning, maintenance, or fault clearance. Access to a live machine's interior can cause electric shock.

Do not replace the fuser unit immediately after using the printer. You may get burned.

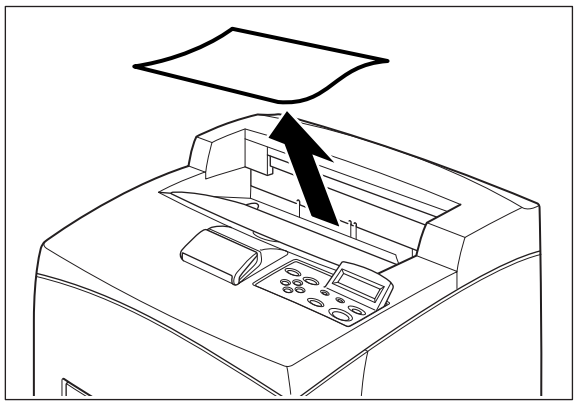


Replacing the Fuser Unit

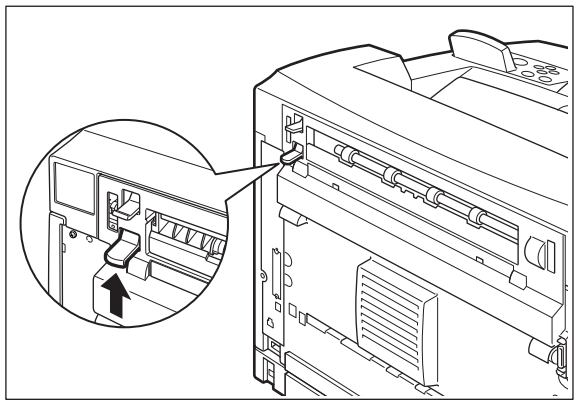
1. Switch off the power of the printer and leave it for 30 minutes until the fuser unit cools down.



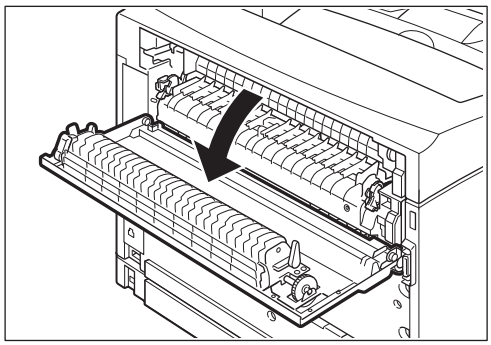
2. Remove any paper in the center output tray.



3. Lift the second lever from the top left corner of the back of the printer.

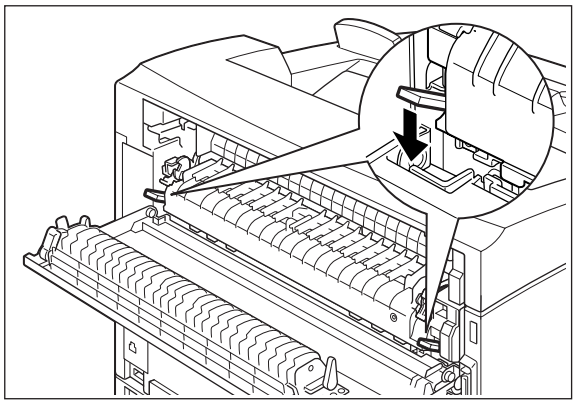


4. Open the rear cover.

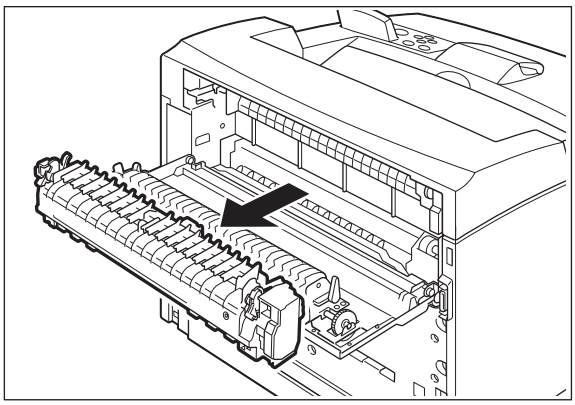


IMPORTANT: Do not touch any parts inside the printer.

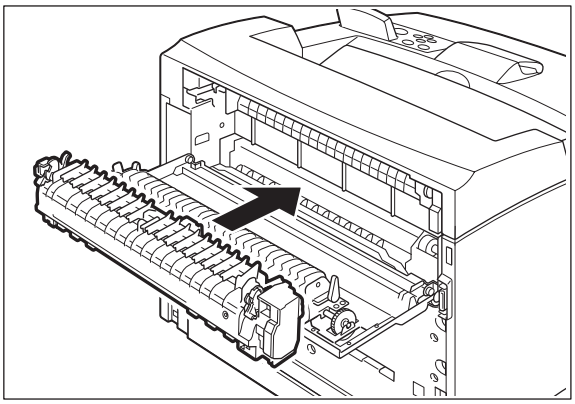
5. Pull down the 2 levers at the bottom of the fuser unit.



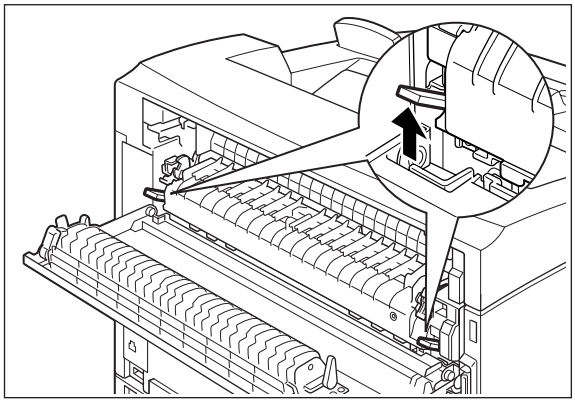
6. Remove the fuser unit slowly.



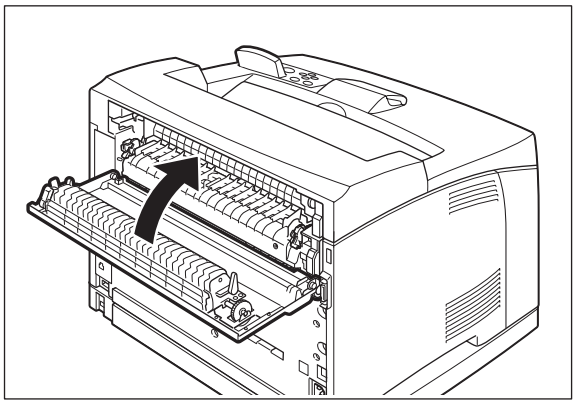
7. Insert the new fuser unit slowly.



8. Lift up the 2 levers at the bottom of the fuser unit and push down the levers at both ends of the fuser unit to lock it.



9. Close the rear cover.



IMPORTANT: Do not close the rear cover if the fuser unit is not installed. Forcibly closing it may damage the lever or the cover.

Transfer Roll Cartridge

This section explains about the transfer roll cartridge.

Caution on Handling the Transfer Roll Cartridge

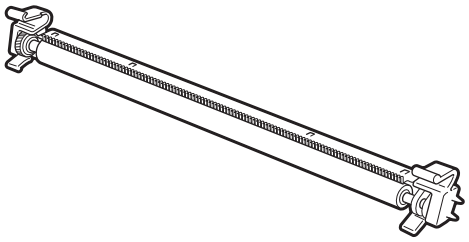
The transfer roll cartridge is included as one of the regular replacement parts. Before replacing the transfer roll cartridge, open the box of the regular replacement parts and get the new transfer roll cartridge ready.

When handling the transfer roll cartridge, take note of the following points:

WARNING! Never throw an transfer roll cartridge into an open flame. It can cause an explosion and you can get burned.

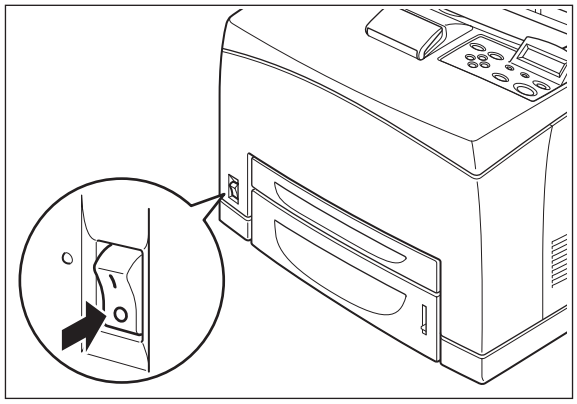
Do not remove and reinsert the transfer roll cartridge in use.

When the message to replace the transfer roll cartridge appears, replace the transfer roll cartridge immediately. Otherwise, the printer will be forcibly stopped.

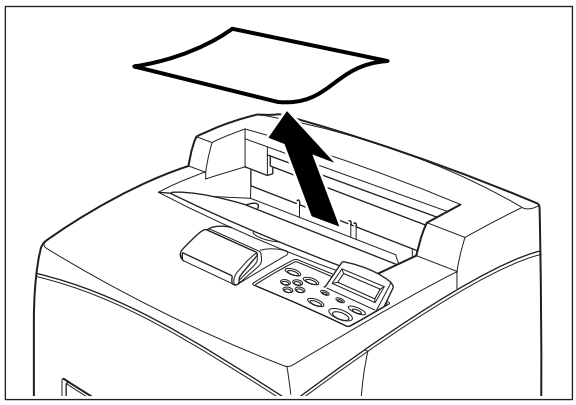


Replacing the Transfer Roll Cartridge

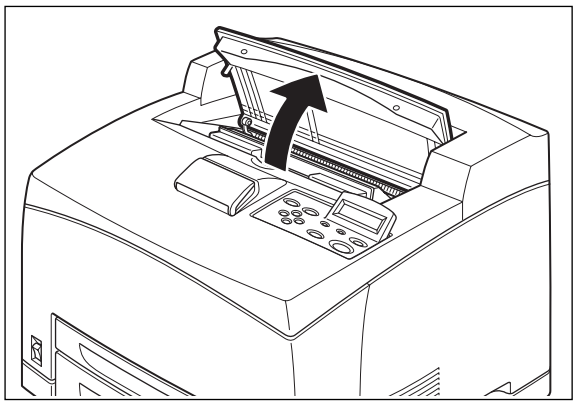
1. Switch off the power of the printer.



2. Remove any paper in the center output tray.

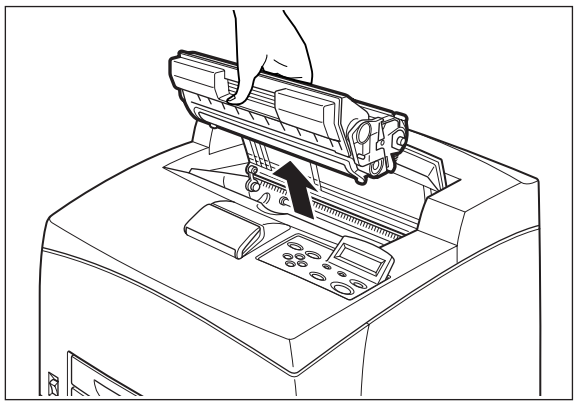


3. Open the top cover.



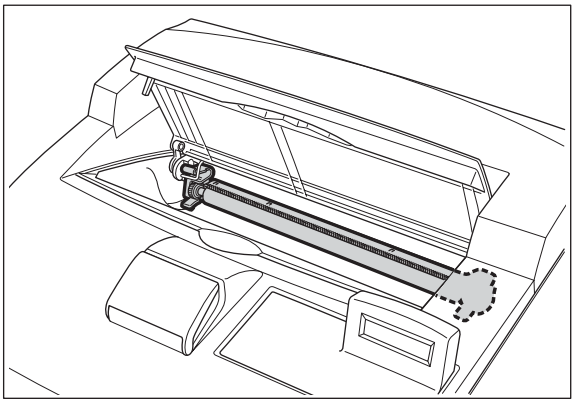
IMPORTANT: Do not touch any parts inside the printer.

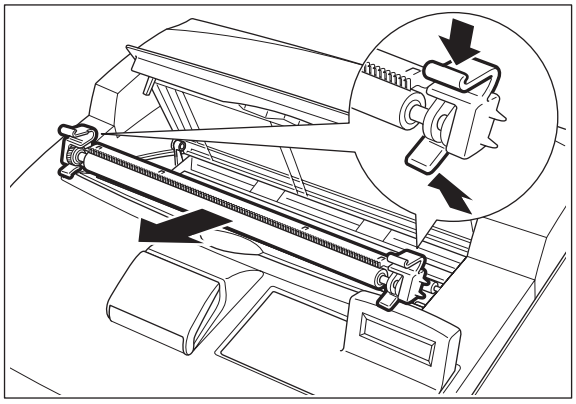
4. Hold the Toner Cartridge by the grip to pull it out slowly.



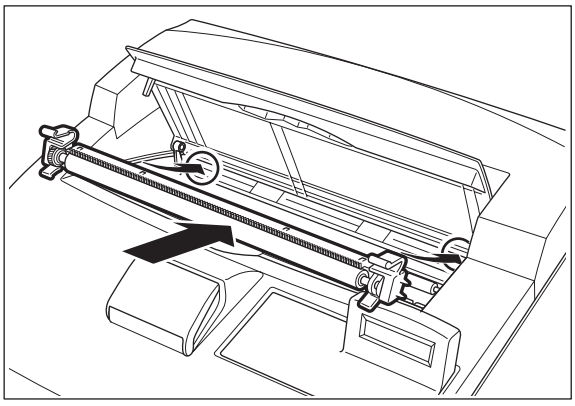
NOTE: To prevent the toner from dirtying the surface, lay a piece of paper down and place the Toner Cartridge on this.

5. Pull the 2 levers on the upper part of the transfer roll cartridge, then squeeze the 2 levers on the bottom of the transfer roll cartridge and pull it out slowly towards you.

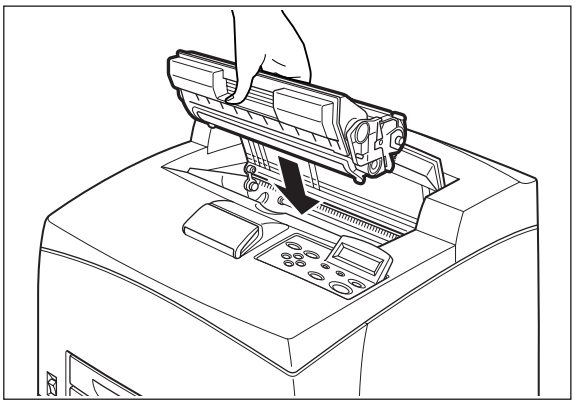




6. Pick up the new transfer roll cartridge by the levers at both ends and slowly slot it in.

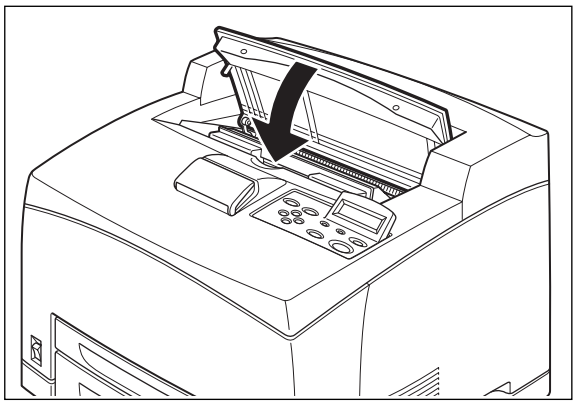


7. Hold the Toner Cartridge by the grip and insert it into the slot inside the printer.



IMPORTANT: Do not touch any parts inside the printer.
Ensure that the Toner Cartridge is orrectly installed.

8. Close the top cover.



Feed Roll

This section explains about the feed roll.

Caution on Handling the Feed Roll

The feed roll is included as one of the maintenance kit. Before replacing the feed roll, open the box of the kit and get the new feed roll ready.

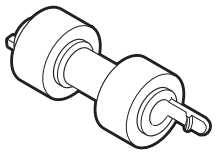
When handling the feed roll, take note of the following points:

CAUTION: Be sure to switch off and unplug the machine before accessing the interior of the machine for cleaning, maintenance, or fault clearance. Access to a live machine's interior can cause electric shock.

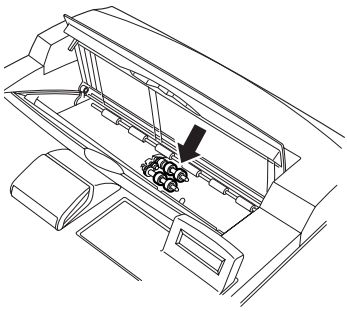
There are feed rolls inside the interior of the printer (2 in 2 locations, 4 in total), tray module (1 location) and paper tray (1 location).

Those rollers are periodic replacement parts. All feed rolls are recommended to be replaced.

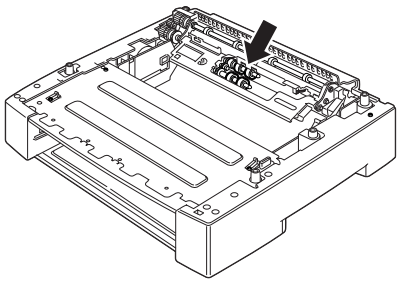
Feed roll



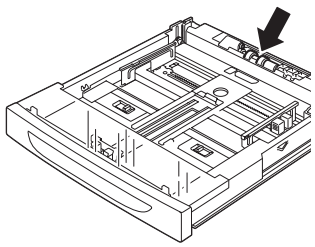
Inside the printer (2 locations)



Tray module (1 location)



Paper tray (1 location)

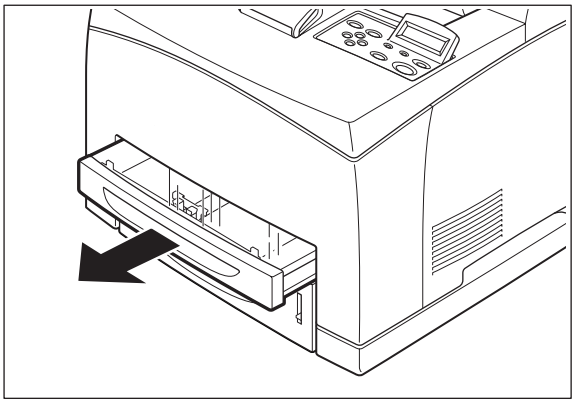


Replacing the Feed Roll

NOTE: The following procedure explains how to replace the feed roll of the paper tray. Follow the procedure here for replacing the feed roll of the tray module as well.

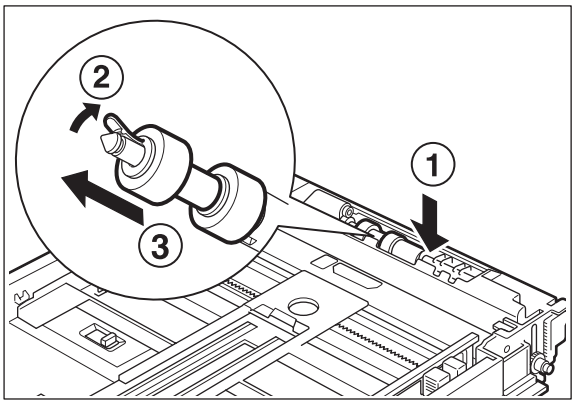
Feed roll at the paper tray

1. Power the printer off.
2. Pull the paper tray out of the printer.

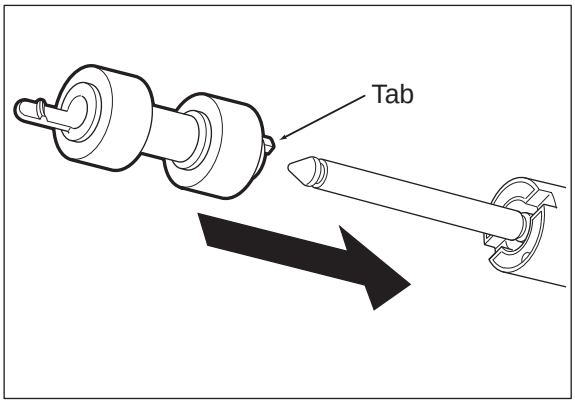


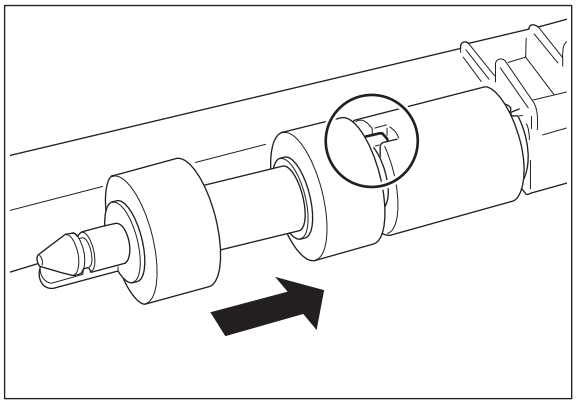
NOTE: When replacing the feed roll of tray 2, pulled out both tray 1 and tray 2.
The feed roll on tray modules can be replaced without pulling out the paper tray.

3. While pushing down the shaft of the feed roll as shown in the diagram (1), widen the tab of the feed roll to loosen it (2) and then slowly remove the feed roll from the shaft on the paper tray (3).



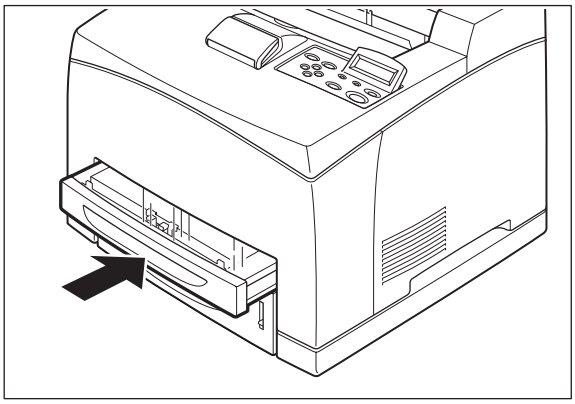
4. Hold the tab on the new feed roll as shown in the diagram and slowly push it into the shaft on the paper tray.





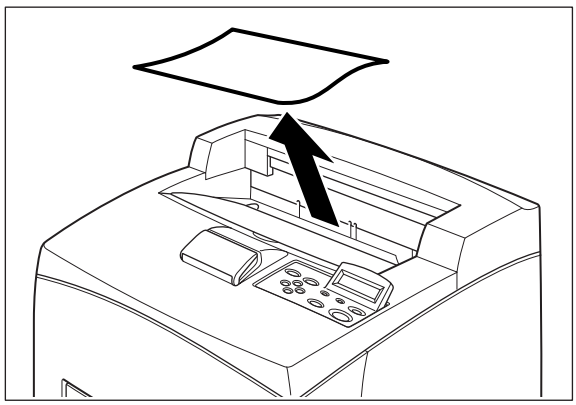
By aligning the small tabs on the feed roll with the slots of the shaft, push the feed roll completely in so that the tab fits into the slot.

5. Push the paper tray completely into the printer.

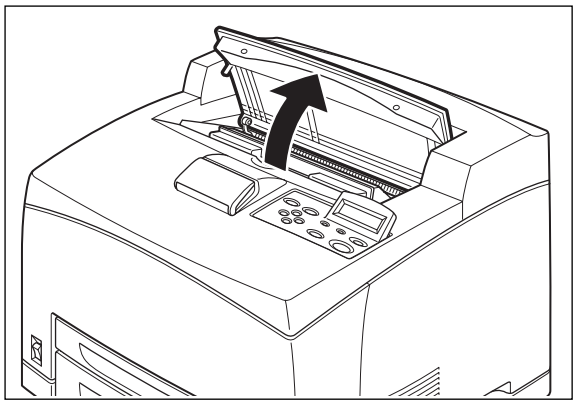


Feed roll inside the printer

1. Remove any paper in the center output tray.

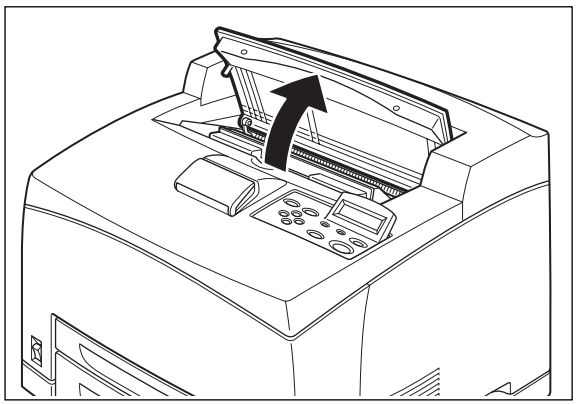


2. Open the top cover.



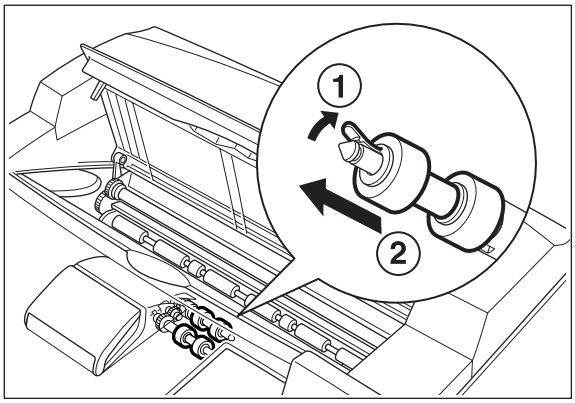
IMPORTANT: Do not touch any parts inside the printer.

3. Hold the Toner Cartridge by the grip and pull it out slowly.

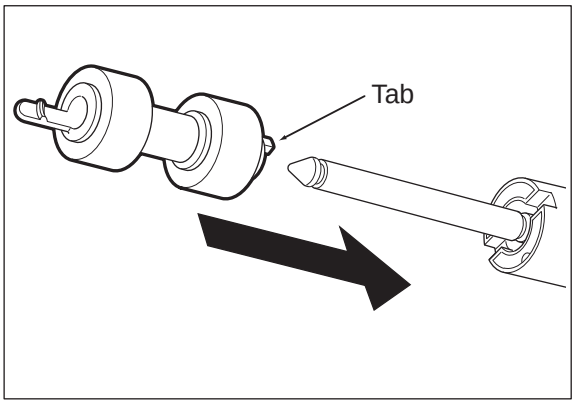


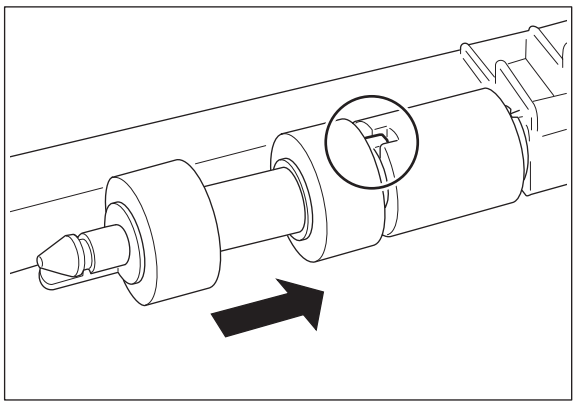
NOTE: To prevent the toner from dirtying the floor, lay a piece of paper on the floor before putting the Toner Cartridge down.

4. While pushing down the shaft of the feed roll as shown in the diagram, widen the tab on the feed roll to loosen it (1) and then slowly remove the feed roll from the shaft of the paper tray (2).



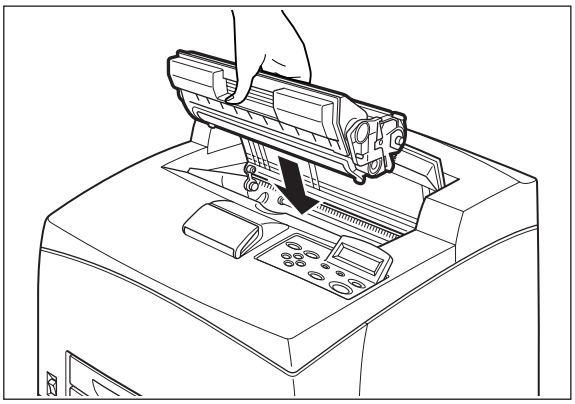
5. Hold the tab on the new feed roll as shown in the diagram and slowly push it into the shaft on the paper tray.





By aligning the small tabs on the feed roll with the slots of the shaft, push the feed roll completely in so that the tab fits into the slot.

6. Hold the Toner Cartridge by the grip and insert it into the slot inside the printer.



IMPORTANT: Do not touch any parts inside the printer.
Ensure that the Toner Cartridge is firmly set.

Close the top cover securely.

◆ ◆ ◆

Chapter 6

Optional Accessories

In this Chapter . . .

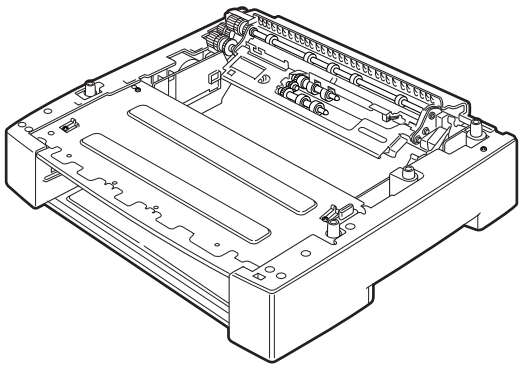
- "Available Optional Accessories" on page 6-2
- "Tray module (A4/550 sheets)" on page 6-2
- "Offset catch tray" on page 6-17
- "Rear tray" on page 6-23

Available Optional Accessories

The following optional accessories are available for this printer.

Tray module (A4/550 sheets)

Install the tray module to the printer to use the paper tray (A4/550 sheets).



NOTE: You can add up to two tray modules.

Installing/Uninstalling the Tray Module

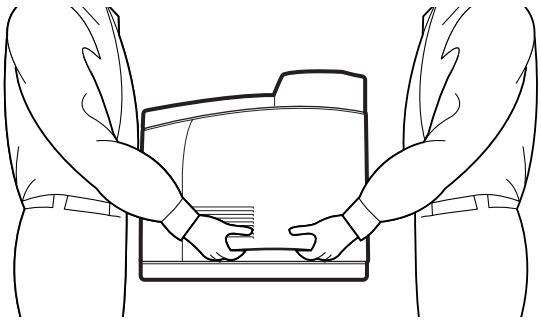
The optional tray module (A4/550 sheets) is available for this printer.

You can add up to two tray modules.

CAUTION: Be sure to switch off the power and unplug the power cord from the outlet before carrying out the operations. If not, you might get an electric shock.
When lifting the machine, get a firm footing and bend your knees to avoid possible injuries to your back.

The weight of this printer, without the optional accessories, paper trays, consumables and paper, is 21.0 kg. Before moving the printer, you must uninstall the optional accessories first.

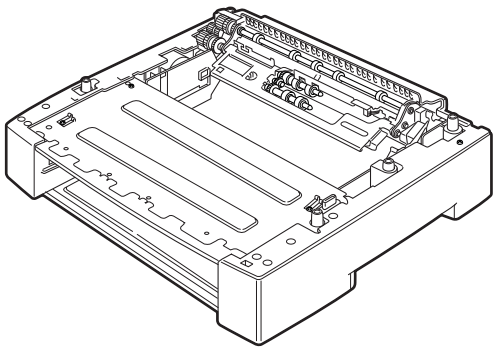
When lifting the printer, there should be 2 persons, 1 in front and 1 behind the printer, to firmly grip the recessed areas provided on both sides of the printer. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping any other areas can cause the printer to fall and result in injuries.



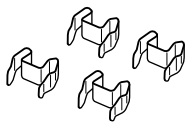
Checking the contents of the tray module package

Before installing the tray module to the printer, ensure that you have all of the following items.

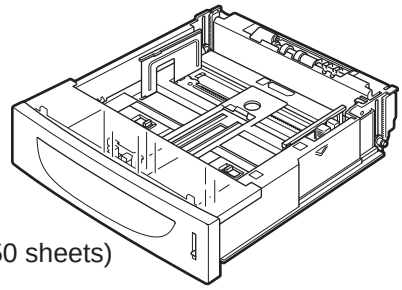
- Tray module (A4/550 sheets)



Tray module (A4/550 sheets)



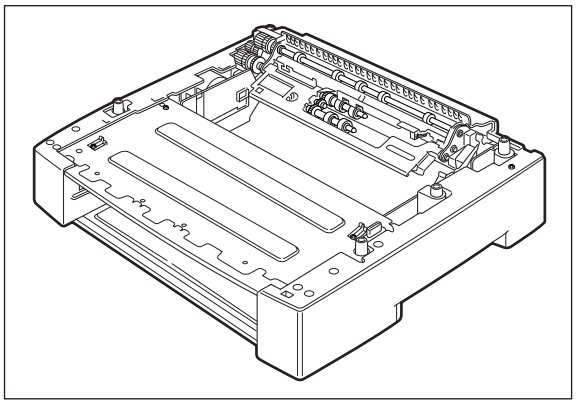
Fasteners (four pieces)



Paper tray (A4/550 sheets)

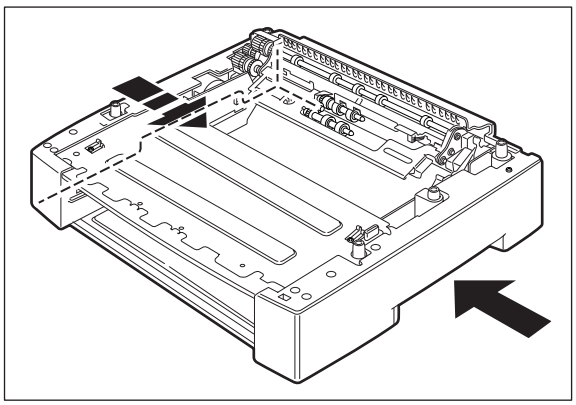
Installing the Tray Module

1. Place the tray module to be installed at the lowest level on a flat location.

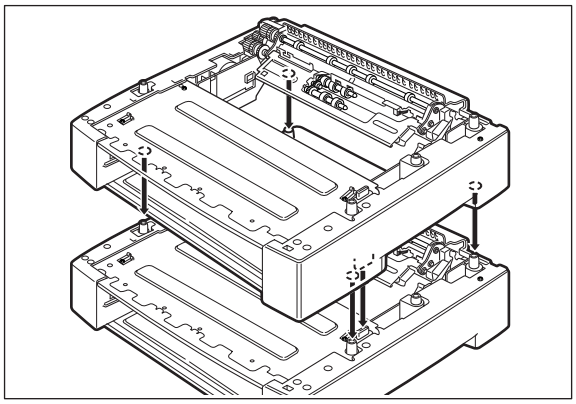


NOTE: Proceed to Step 5 if you are installing only one tray module.

2. Lift up the tray module to be installed at the top level by holding the parts as shown in the diagram.

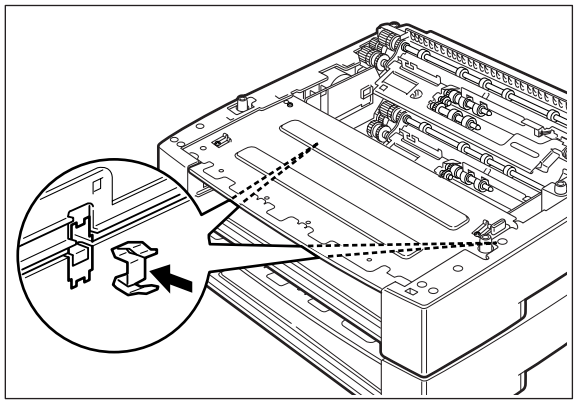


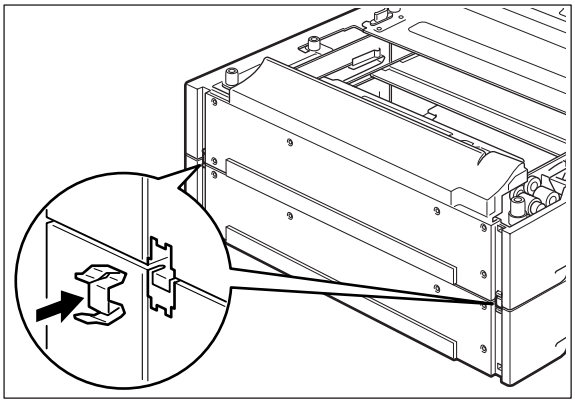
3. Align the front and back corners of the top and bottom tray modules, and slowly lower the top module so that the guide pins at the 4 corners of the bottom module fit into the holes at the base plate of the top module.



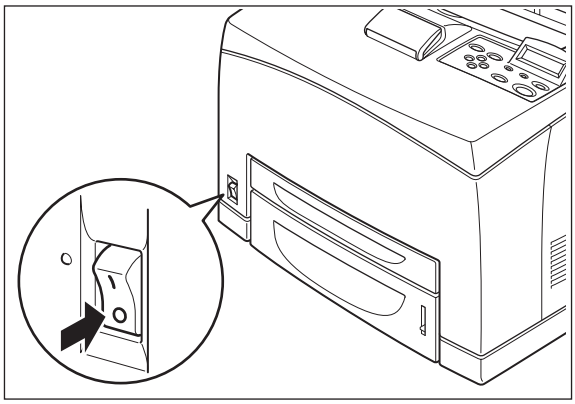
IMPORTANT: The tray module must be lowered gently. Otherwise, the interior parts may be damaged.

4. Insert the fast eners provided into the 2 locations inside of the tray module and 2 locations at the back of the tray module. Insert the fasteners securely.

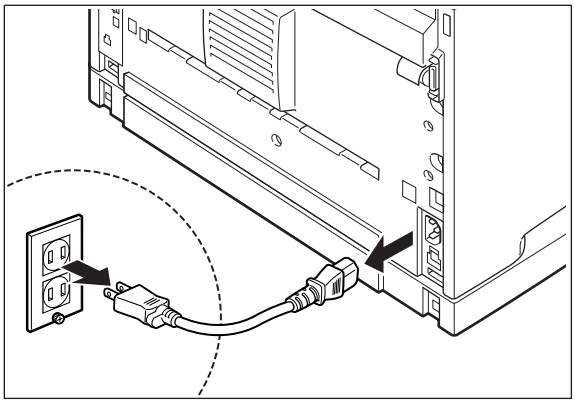




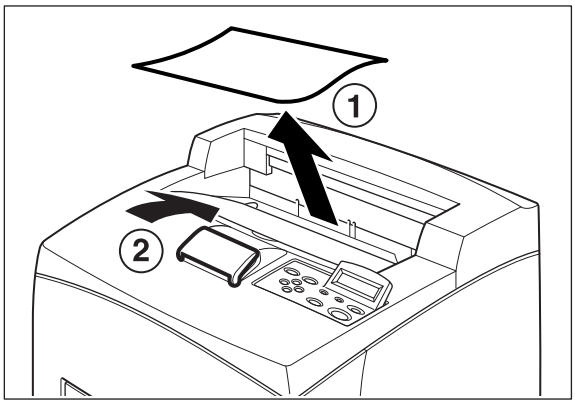
5. Switch off the power to the printer.



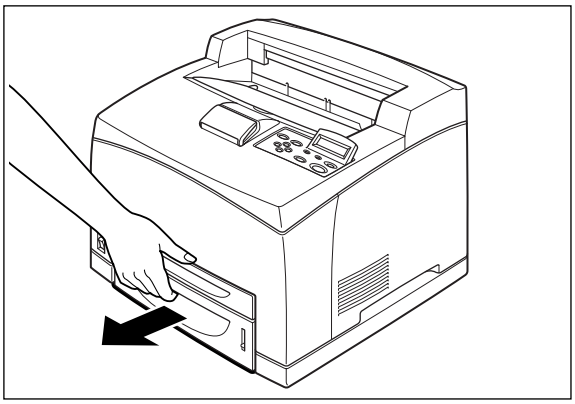
6. Pull out the power cord from the power outlet and then the printer.



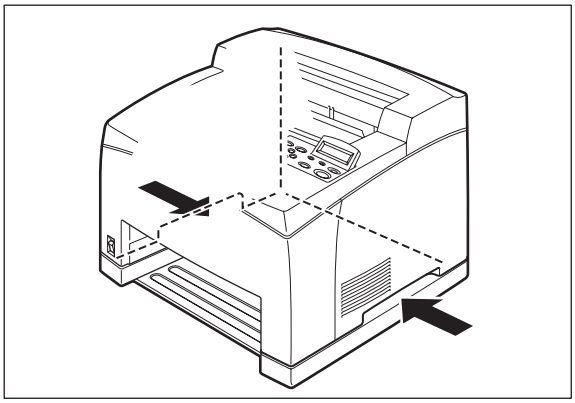
7. Remove any paper in the center output tray (1) and return the paper stopper to its original position if it's raised (2).



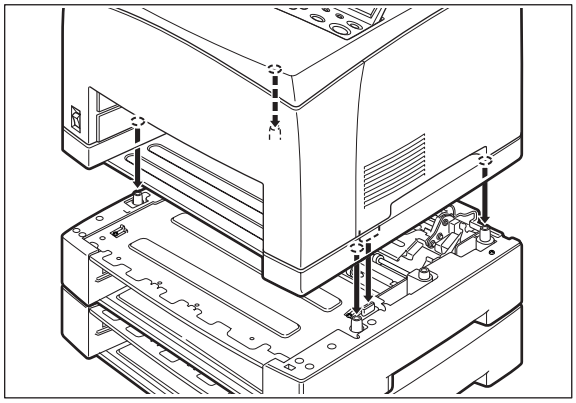
8. Pull the paper tray out of the printer.



9. Lift up the printer by holding the recessed areas as shown in the diagram.

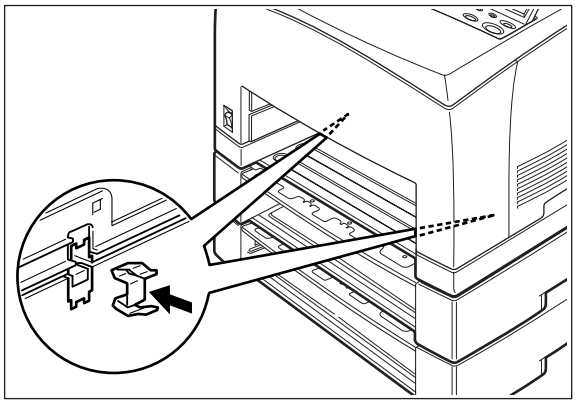


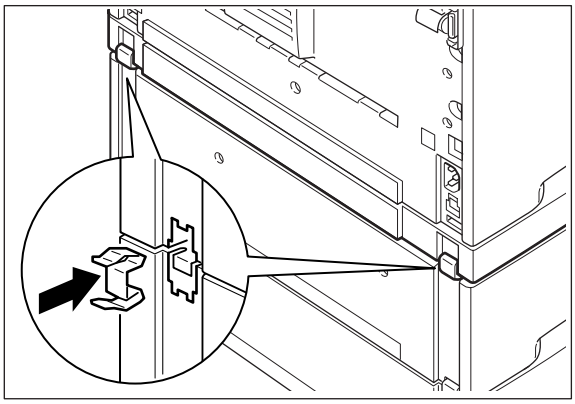
10. Align the corners of the printer and the tray modules, and lower the printer gently so that the guide pins at the 4 corners of the tray modules fit into the holes at the base plate of the printer.



IMPORTANT: The printer must be lowered gently. Otherwise, the interior parts may be damaged.

11. Insert the fasteners provided into the 2 locations inside and 2 locations at the back of the printer. Insert the fasteners securely.





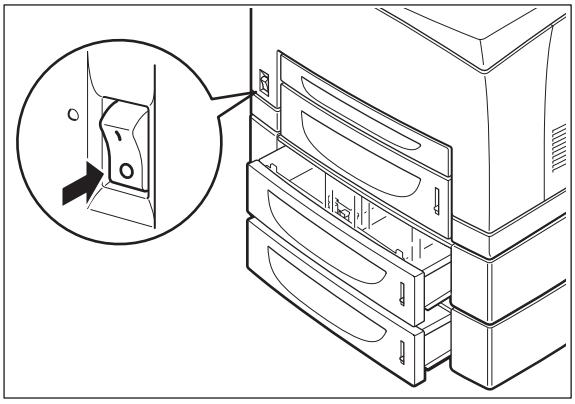
12. Push the paper tray completely into the printer.

Refer to: See "Loading Paper" on page 1-11 for details on how to load paper into the paper tray.

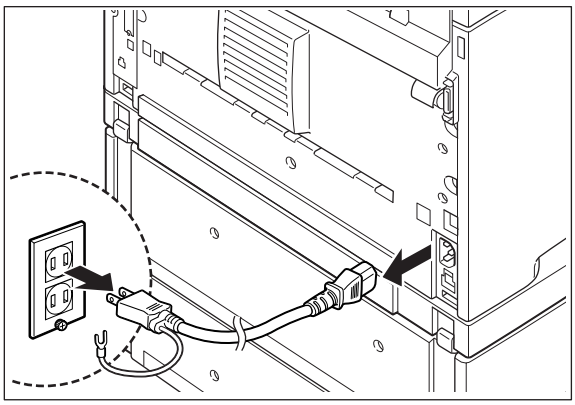
Uninstalling the Tray Module

NOTE: The procedure here explains the uninstallation of two tray modules as an example. You can use the same procedure for uninstalling one tray module.

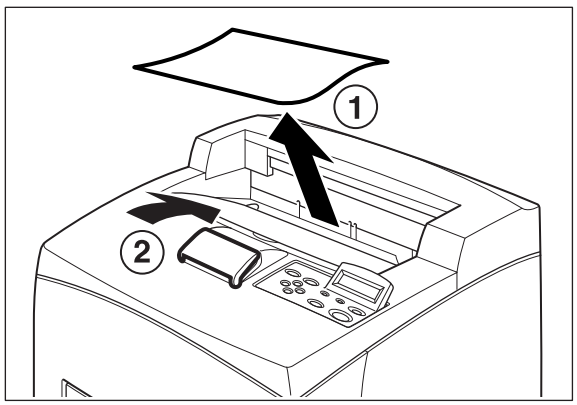
1. Switch off the power to the printer.



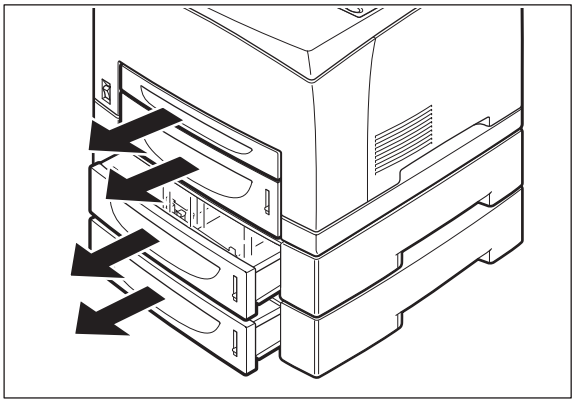
2. Pull out the power cord from the power outlet and then the printer.



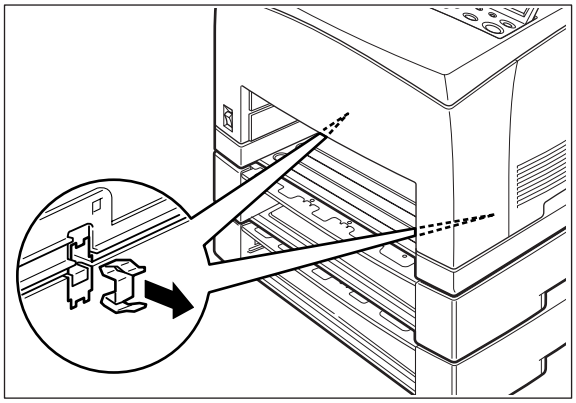
3. Remove any paper in the center output tray (1) and return the paper stopper to its original position if it's raised (2).

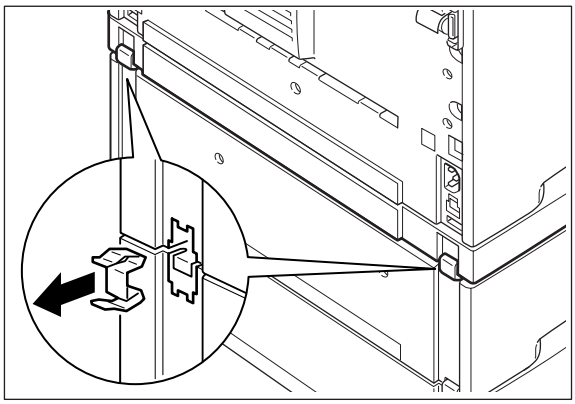


4. Pull the paper tray out of the printer.

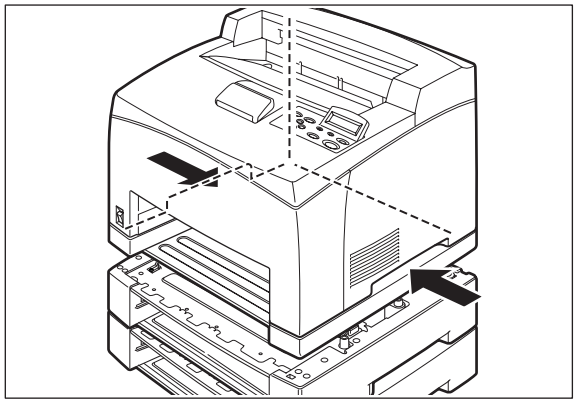


5. Remove the fasteners found at the 2 locations inside and at the 2 locations at the back of the printer.

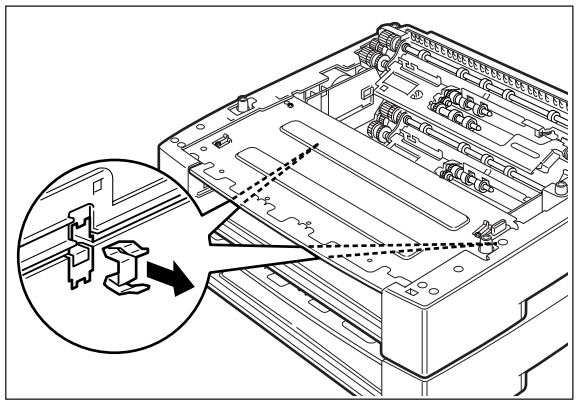


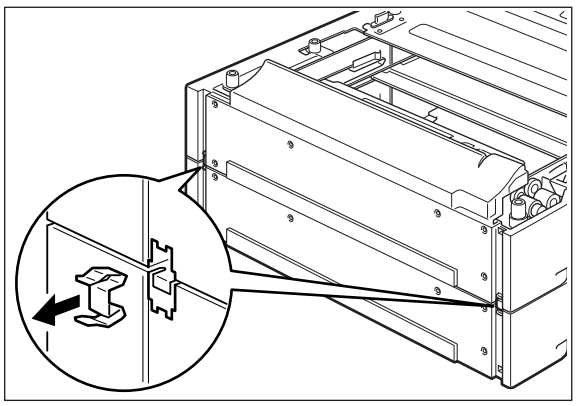


6. Lift up the printer by holding the recessed areas as shown in the diagram and then remove it from the tray modules.

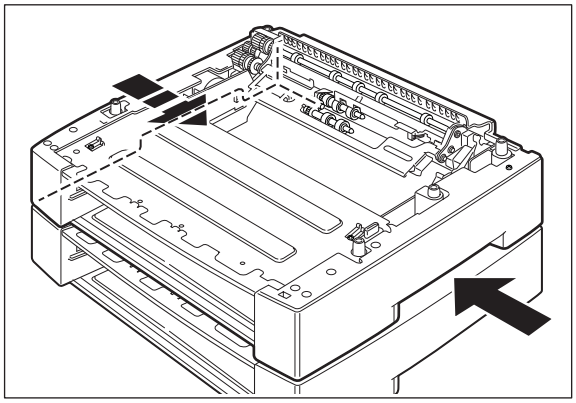


7. Remove the fasteners found at the 2 locations inside the tray modules and at the 2 locations at the back of the tray modules.





8. Lift up the top tray module by holding the recessed areas as shown in the diagram and then remove it from the bottom tray module.

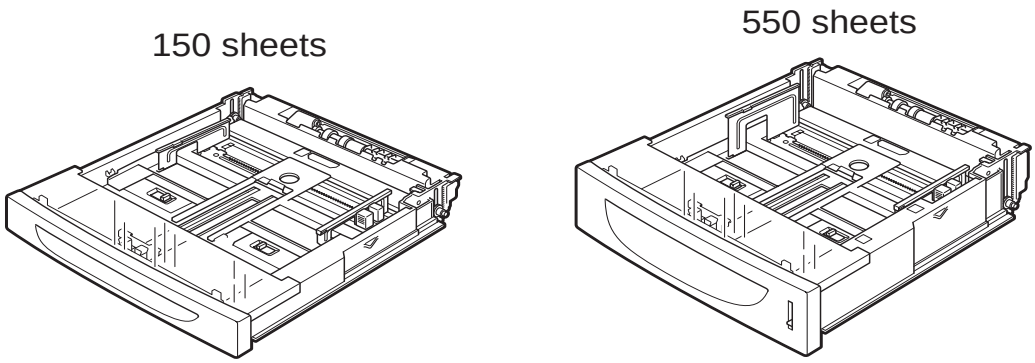


Paper trays

The following paper tray is available:

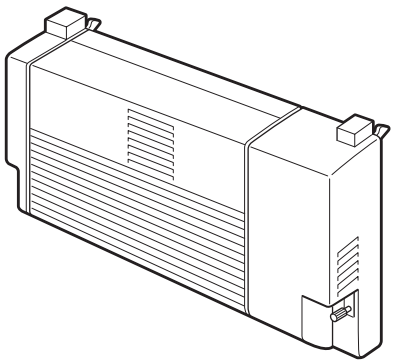
Paper tray (A4/550 sheets)

This is the same as the paper tray of the standard tray module (A4/550 sheets) for printers with a continuous print speed of 34 ppm. Use it in the standard tray module or the optional tray module (A4/550 sheets).



Duplex module

Install this unit to the printer to enable 2 sided printing.



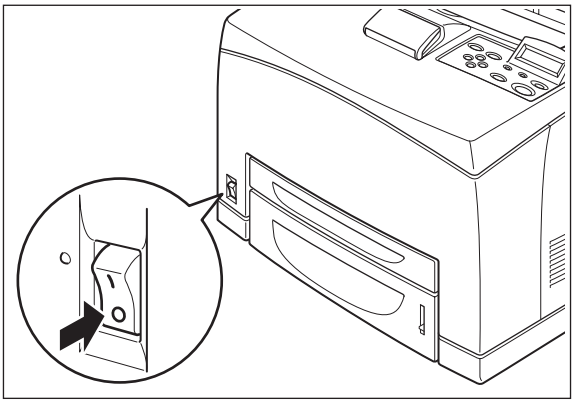
Installing/Uninstalling the Duplex Module

You can install an optional duplex module to this printer.

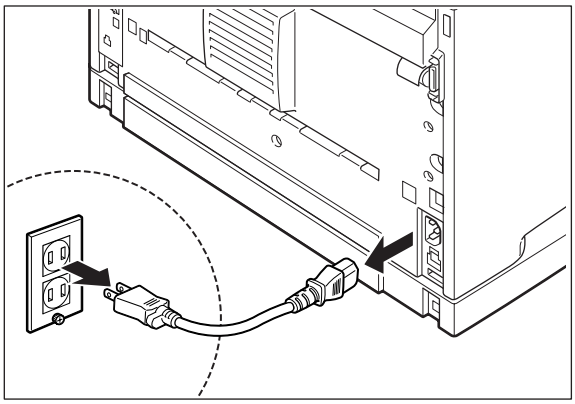
CAUTION: Be sure to switch off the power and unplug the power cord from the outlet before carrying out the operations. If not, you might get an electric shock.

Installing the Duplex Module

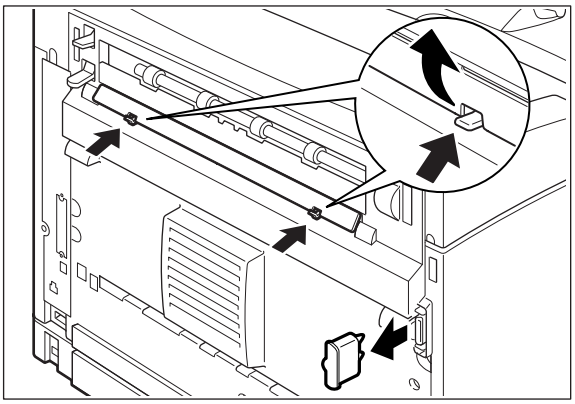
1. Switch off the power of the printer.



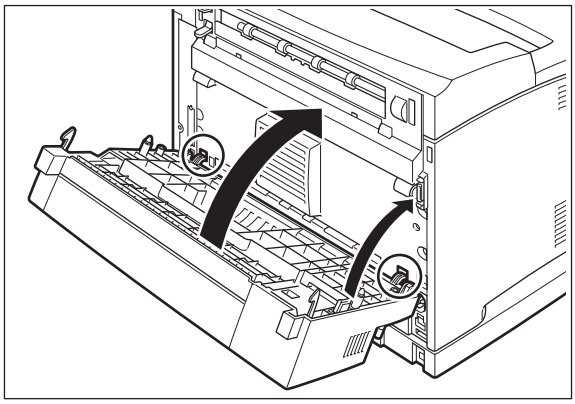
2. Pull out the power cord from the power outlet and then the printer.



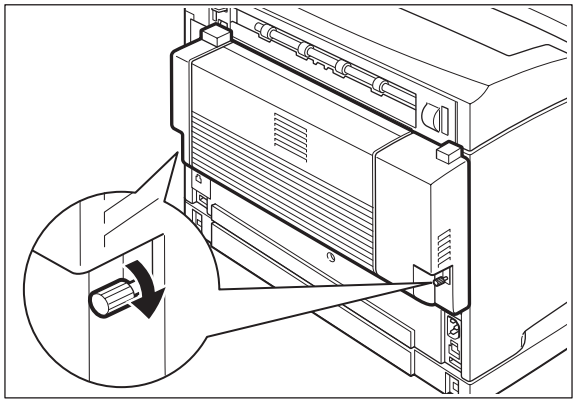
3. Remove the rear cover of the printer after pushing the two tabs as shown in the diagram. Next, remove the connector cover of the printer as shown in the diagram.



4. Insert the right and left tabs at the bottom of the duplex module into the holes at the back of the printer and then align the top part of the duplex module with the printer. Ensure that the connector of the duplex module is connected to the connector of the printer.

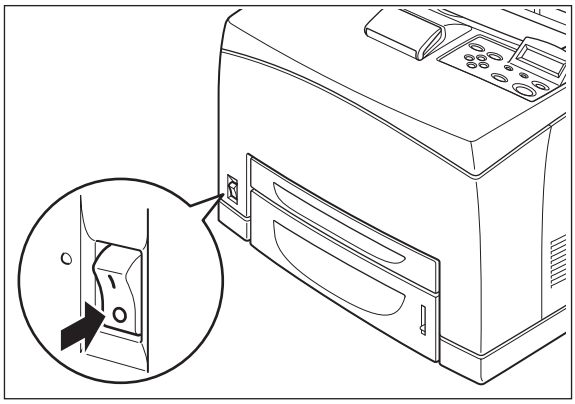


5. Tighten the screws at the both ends of the bottom of the duplex module.

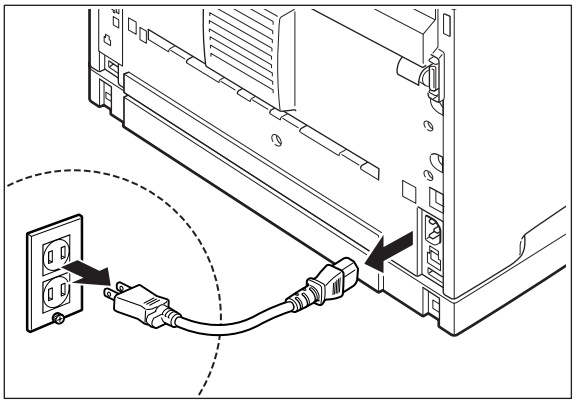


Uninstalling the Duplex Module

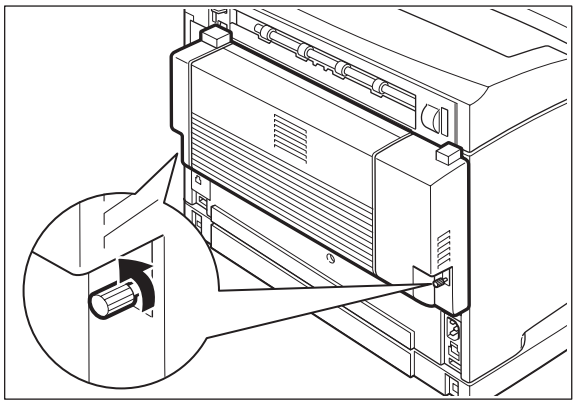
1. Switch off the power to the printer.



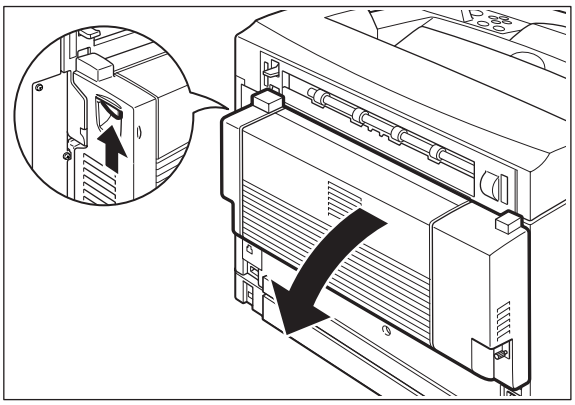
2. Pull out the power cord from the power outlet and then the printer.



3. Loosen the screws at the both ends of the bottom of the duplex module.

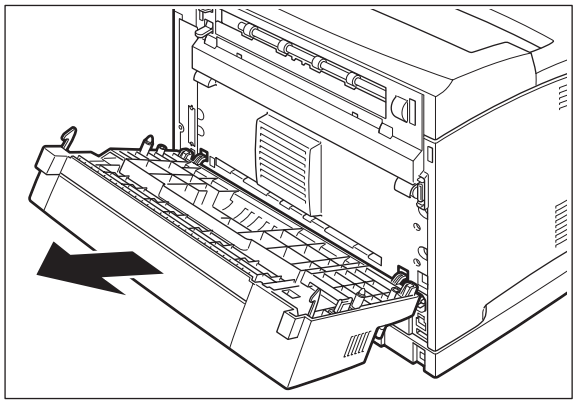


4. While supporting the duplex module with your hand, lift the lever at the top left hand side of the duplex module to unlock it and then tilt the top part of the duplex module away from the printer.

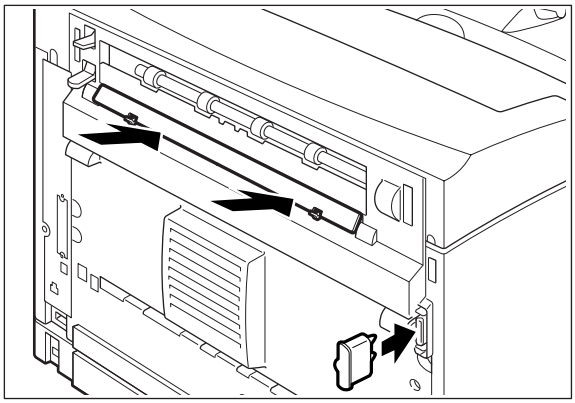


NOTE: You must support the duplex module with your hand as once it is unlocked. Otherwise, it may fall.

5. While holding up the duplex module, remove the right and left tabs of the duplex module from the holes at the back of the printer.



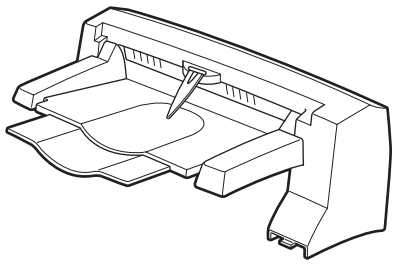
6. Push in the cover and connector cover, which were removed during installation of the duplex module, until it clicks into the back of the printer.



Offset catch tray

Install this tray to the printer to enable print jobs to be offset. Maximum capacity is 500 sheets of the standard paper.

The offset catch tray can be installed on the 35PPM printer. It is recommended that this is used together with the optional Hard drive.



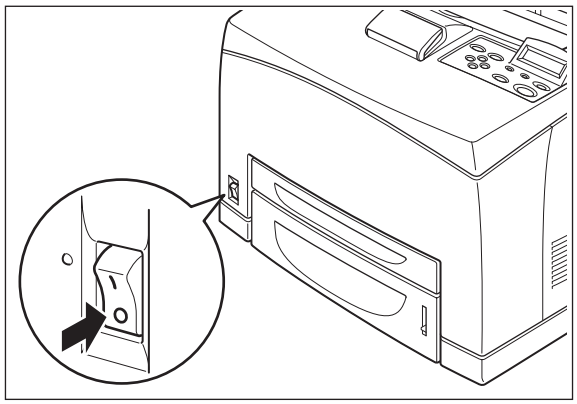
Installing/Uninstalling the Offset Catch Tray

You can install an optional offset catch tray to this printer.

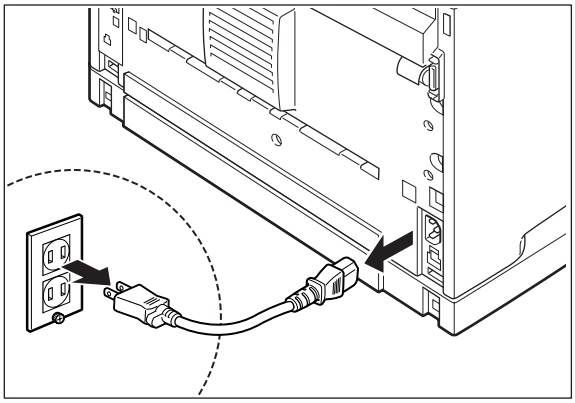
CAUTION: Be sure to switch off the power and unplug the power cord from the outlet before carrying out the operations. If not, you might get an electric shock.

Installing the Offset Catch Tray

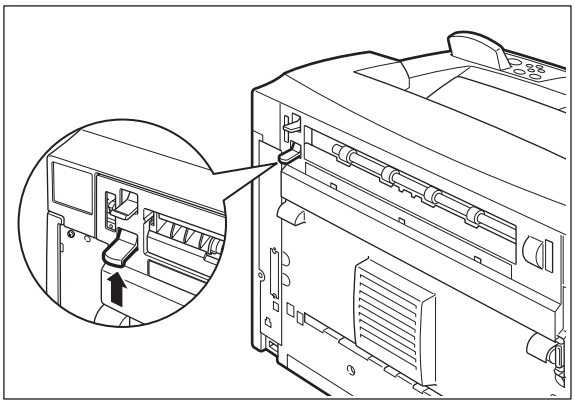
1. Switch off the power to the printer.



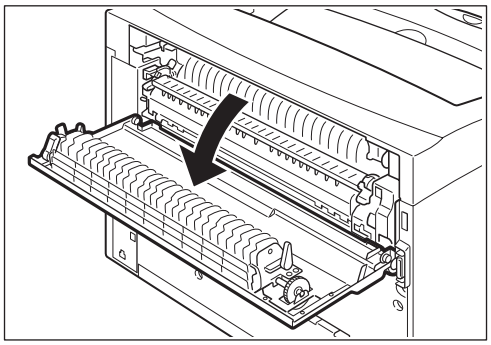
2. Pull out the power cord from the power outlet and then the printer.



3. Lift the second lever from the top left corner of the back of the printer.

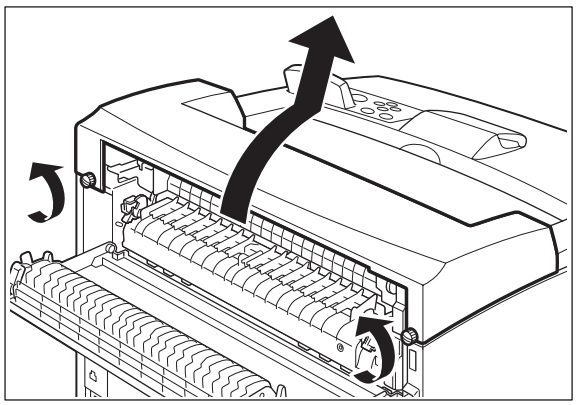


4. Open the rear cover.

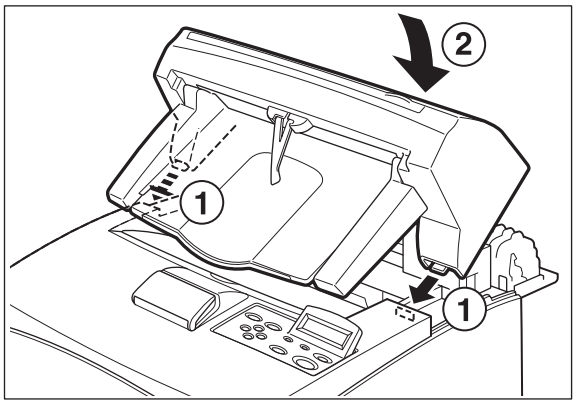


NOTE: Do not touch any parts inside the printer.

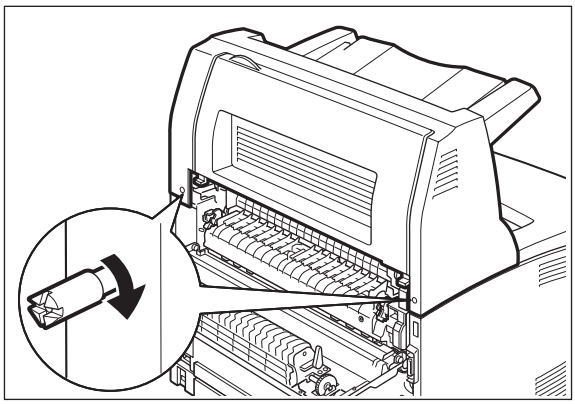
5. Untighten the right and left thumb screws as shown in the diagram to uninstall the top cover of the paper exit.



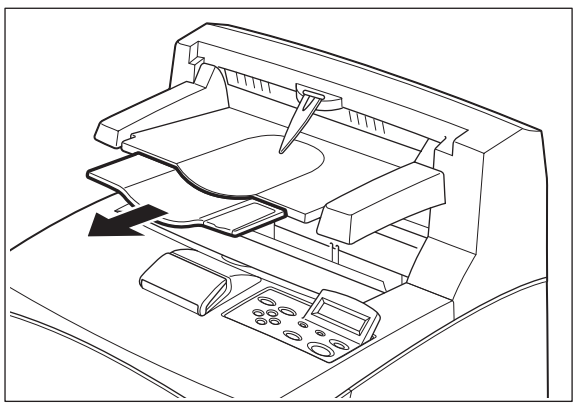
6. Insert the right and left tabs of the offset catch tray into the holes at the top of the printer (1) and put it down to the top of the printer slowly (2).



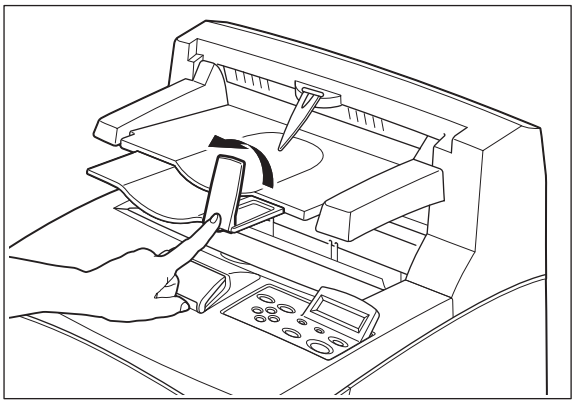
7. Secure the screws at both ends of the bottom of the offset catch tray.



8. Pull out the extension tray.



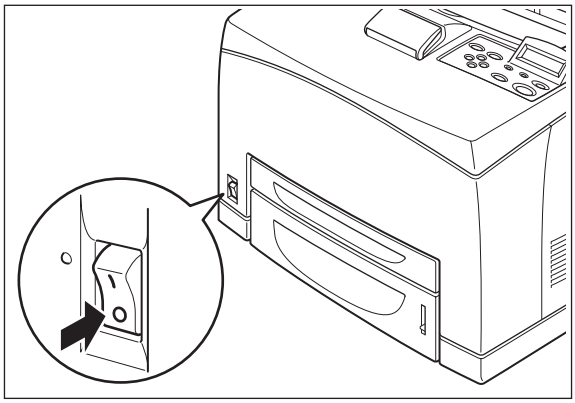
9. Flip the stopper when print a thicker paper.



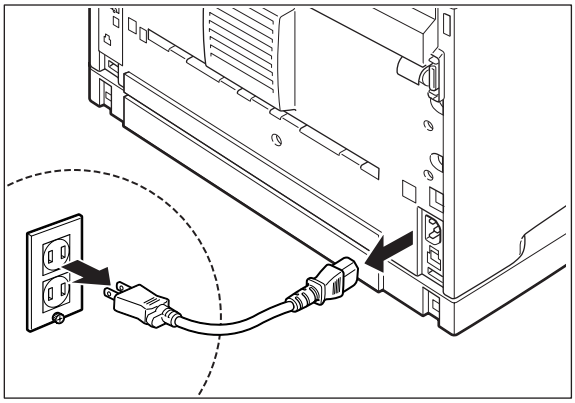
10. Close the rear cover.

Uninstalling the Offset Catch Tray

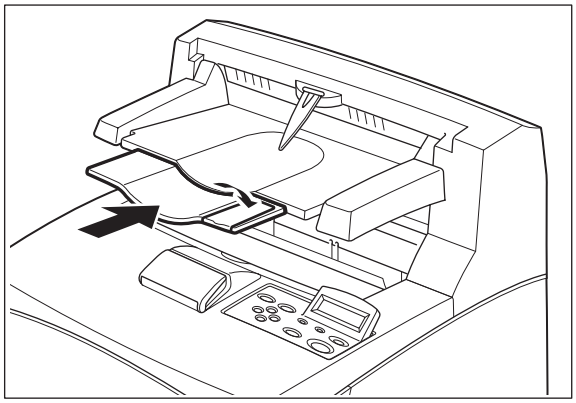
1. Switch off the power to the printer.



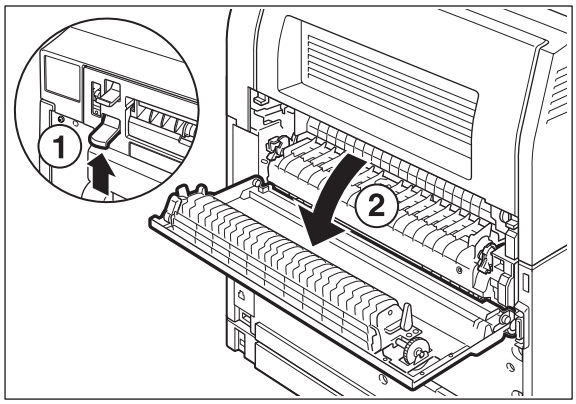
2. Pull out the power cord from the power outlet and then the printer.



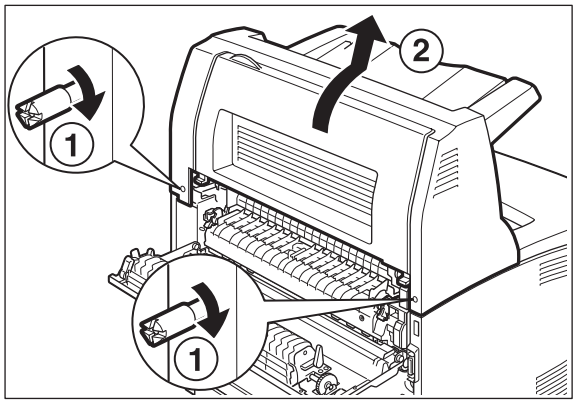
3. Close the stopper and the extension tray of the offset catch tray.



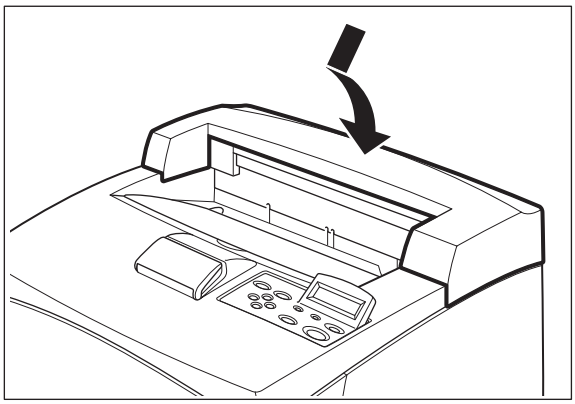
4. Lift up the second lever (1) from the top left corner of the back of the printer to open the rear cover (2).

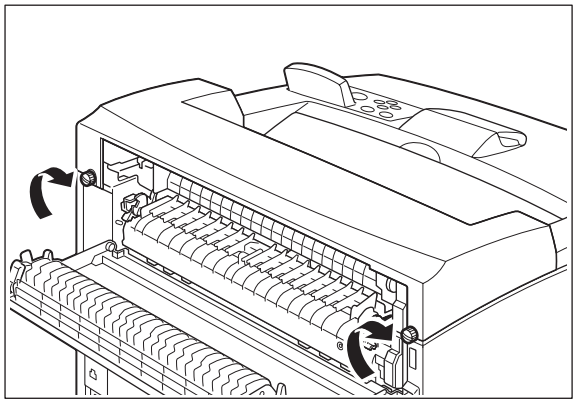


5. Remove the screws on both sides of the offset catch tray (1), and while holding up the offset catch tray, remove the right and left tabs from the holes at the top of the printer (2).



6. Fasten the right and left thumb screws of the top cover of the paper exit, which was removed during installation of the offset catch tray, into the holes at the top of the printer.

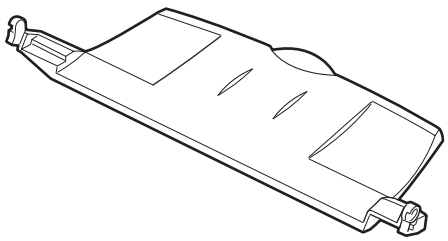




Rear tray

Install this tray to the printer to enable printouts to be output with the printed side up. Maximum capacity is 70 sheets of the standard paper.

The rear tray can be installed in the 35PPM printer.



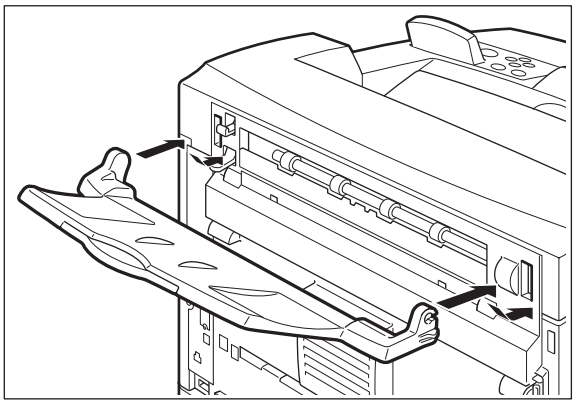
Installing/Uninstalling the Rear Tray

You can install an optional rear tray to this printer.

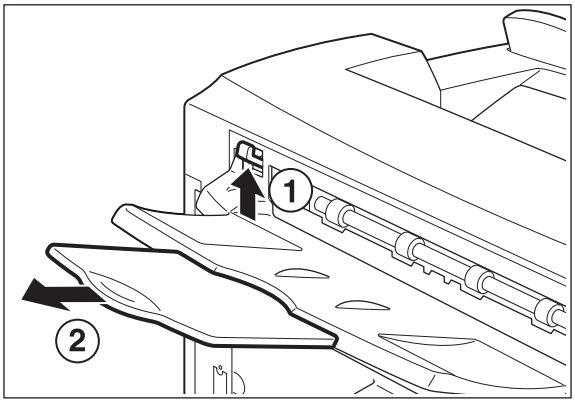
CAUTION: Be sure to switch off the power and unplug the power cord from the outlet before carrying out the operations. If not, you might get an electric shock.

Installing the Rear Tray

1. Power off the printer.
2. Insert the right and left tabs of the rear tray into the holes at the back of the printer.

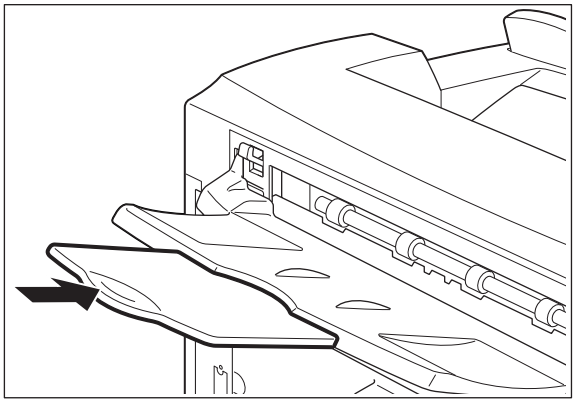


3. Push up the lever as shown in the diagram (1) and pull out the extension tray (2).

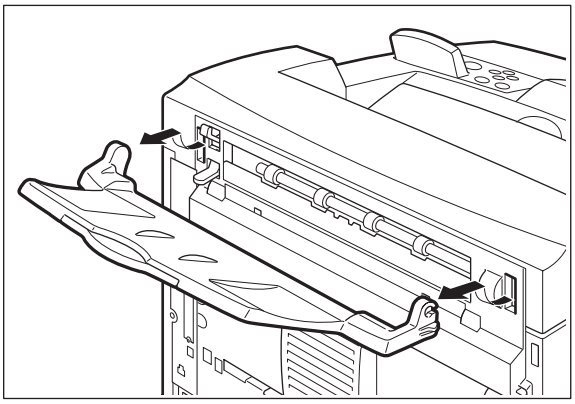


Uninstalling the Rear Tray

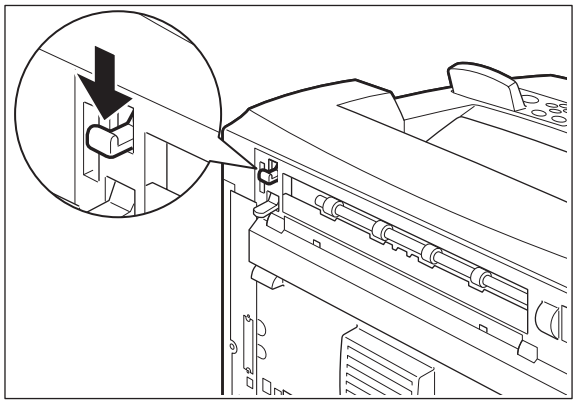
1. Close the extension tray.



2. While holding up the rear tray, remove the right and left tabs from the holes at the back of the printer.



3. Push down the lever as shown in the diagram.



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Chapter 7

Understanding and Navigating the Control Panel Menus

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About this Chapter

This chapter explains the control panel and its functions, and also demonstrates how to navigate through the control panel menus and submenus that allow you to view and change the printer settings. Web access to the printer is also discussed.

Control Panel Features

The control panel is located on the front of the printer, and contains the display, indicators, and pushbuttons that allow you to view and change the printer settings.

The figure below shows the control panel features.

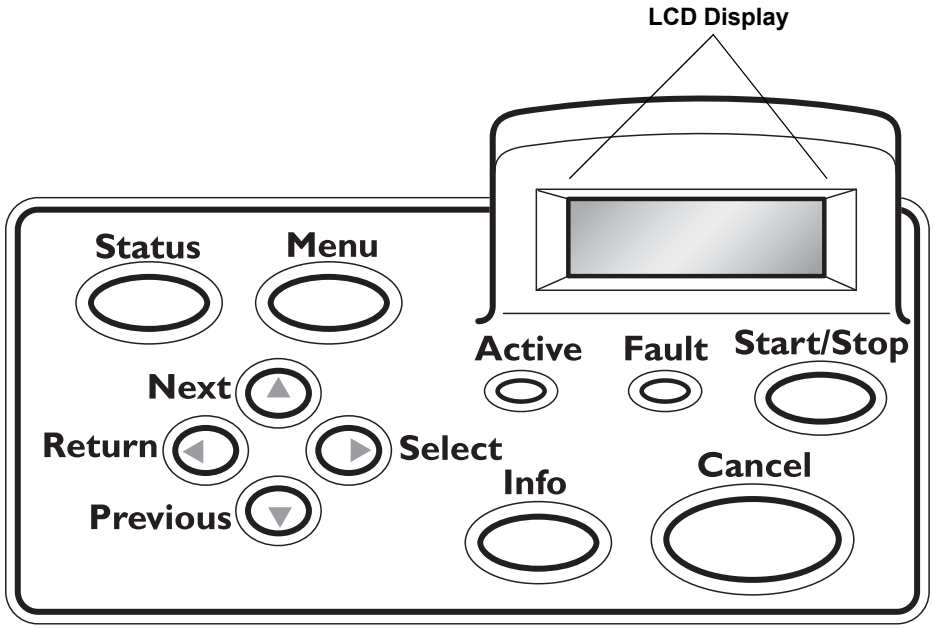


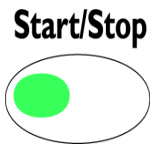
Figure 7-1: Control Panel.

LCD Display

The LCD display shows status and error messages that inform you of the current status of the printer, and also displays menus, submenus, and printer settings when you are in the menu system. The display contains two lines of text, each with a maximum of sixteen characters.

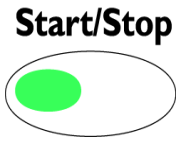
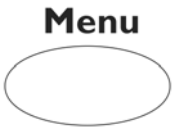
LED Indicators

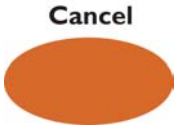
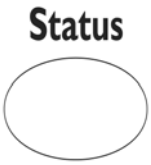
The LED indicators also indicate printer status. The three indicators can each be on, off, or blinking, indicating different phases of printer operation. The table below explains the LED indicators.

LED	COLOR	WHEN OFF	WHEN ON	WHEN BLINKING
	Green	Printer is NOT READY	Printer is READY	N/A
	Green	Printer is IDLE	Printer is ACTIVE (processing a job)	Printer is WAITING (a partial job has been printed, and the printer is waiting for additional job data)
	Red	Printer is not in error mode	There is an error that requires user intervention, such as a paper jam, a service call required, etc.	N/A

Pushbuttons

The control panel pushbuttons allow you to access and navigate menus, and also assist you in recovering from printer errors. The table below explains the functions of the eight pushbuttons.

PUSHBUTTON	FUNCTION
	START/STOP—Push this button to start or stop the printer, or to exit the menu system.
	MENU—Push this button to enter the menu system.
	NEXT—Push this button to move to the next menu, submenu, or setting within the same level of the menu structure.
	SELECT—Push this button to select the menu or submenu that is shown on the second line of the display or to choose and save the setting shown on the second line of the display.

PUSHBUTTON	FUNCTION
	CANCEL—Push this button to cancel an action.
	STATUS—Push this button to enter the Status Menu and view the current status of the following items on the printer: Tray 1: Media Size, Media Type, Level Tray 2: Media Size, Media Type, Level Tray 3: Media Size, Media Type, Level Tray 4: Media Size, Media Type, Level Facedown Tray Toner
	PREVIOUS—Push this button to return to the previous menu, submenu, or option within the same level of the menu structure.
	RETURN—Push this button to move up one level in the menu structure to the menu shown on the first line of the display.

Navigating the Control Panel Menus

When you press the **MENU** button on the control panel, you enter the printer's menu system. At that point, the first line of the display contains the text "**Menu**", indicating that you are in the menu system. The second line of the display lists the active menu, which you can change by pressing the **NEXT** or **PREVIOUS** button.

Menu
Paper Menu

If you press the **NEXT** button repeatedly, the second line of the display cycles through the main menus in the following order:

NOTE: Some menu entries shown in the following pages are dependent on the printer's build level and options fitted.

- Job Library Menu
- Job Accounting Menu
- Paper Menu
- Interface Menu
- PS Menu (Postscript)
- PCL Menu
- System Menu
- Quality Menu
- Functions Menu
- Flash Menu

NOTE: Additional menus and submenus may appear in the printer menu system when other options are installed.

The following figure shows the sequence of pushbuttons and display messages that would allow you to change the number of copies printed. This example illustrates the basic relationship between menus and submenus and demonstrates how the **NEXT, PREVIOUS**, **SELECT**, and **RETURN** buttons help you to navigate through the menus.

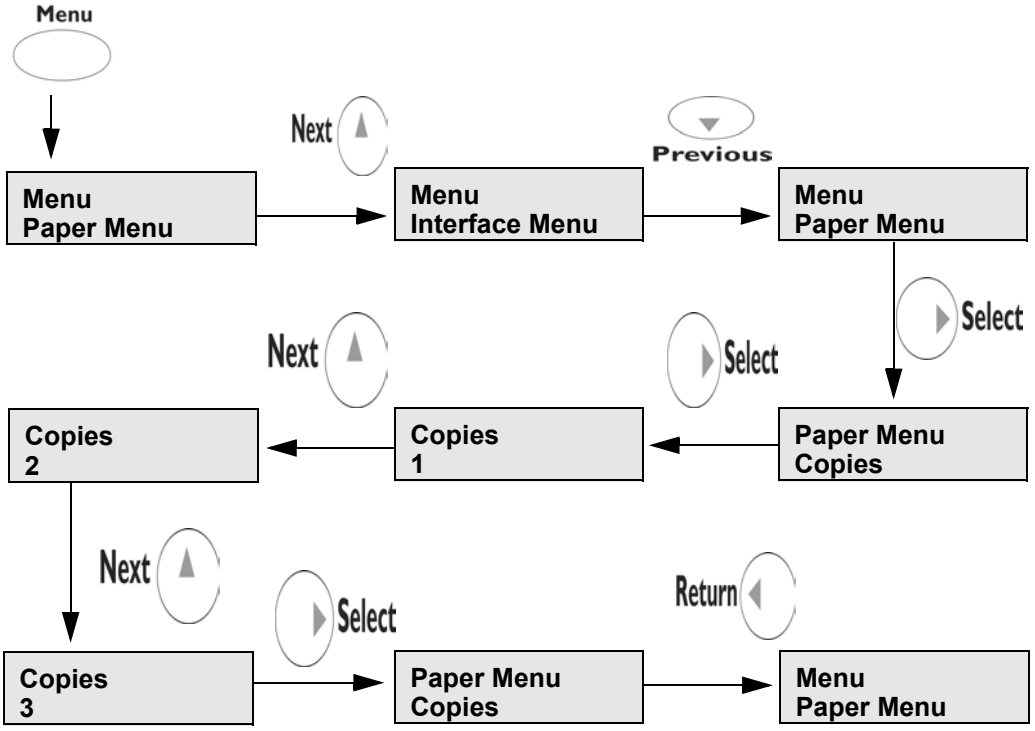


Figure 7-2: Navigating the Paper Menu.

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Paper Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the paper menu.
4. Press the **NEXT** button until the text **Copies** is shown on the second line of the display.
5. Press the **SELECT** button to enter the copies submenu.
6. Press the **NEXT** or **PREVIOUS** button to increase or decrease the number of copies printed.
7. Press the **SELECT** button to save this setting.
8. Press the **START/STOP** button to exit the menu system.

Menu Structure

The following figure shows the structure of the control panel main menus and submenus.

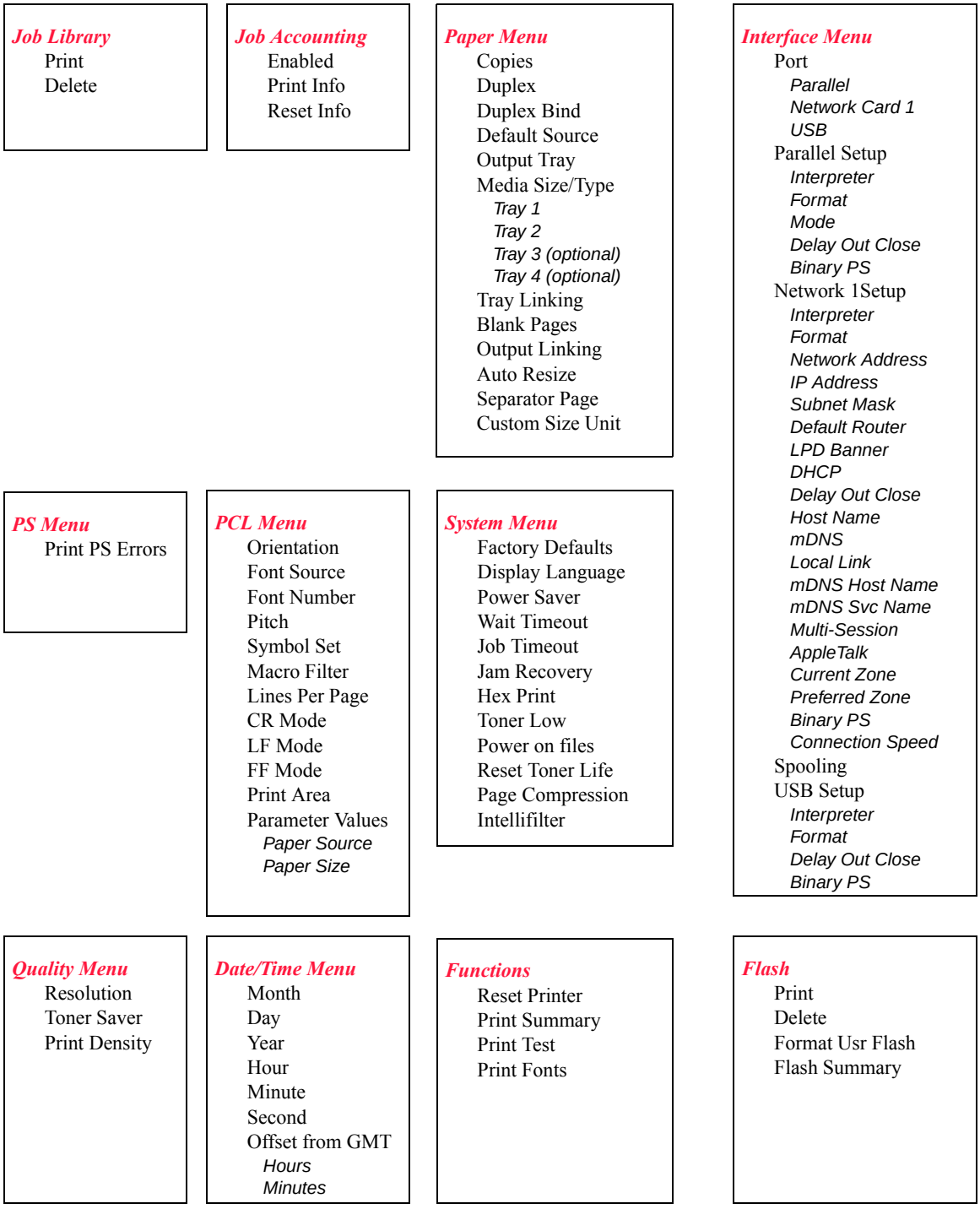


Figure 7-3: Printer Menu Structure.

NOTE: Additional menus and submenus may appear in the printer menu system when other options are installed.

Status Menu

In addition to the main menus listed above, the printer also provides a status menu that allows you to view the current printer settings. Push the **STATUS** button to enter the Status Menu.

Status Menu
- Tray 1
  - *Media Size*
  - *Media Type*
  - *Level*
- Tray 2
  - *Media Size*
  - *Media Type*
  - *Level*
- Tray 3 (Optional)
  - *Media Size*
  - *Media Type*
  - *Level*
- Tray 4 (Optional)
  - *Media Size*
  - *Media Type*
  - *Level*
- Face Down Tray
- Offset Tray
- Toner

Job Library

1. Press the MENU button on the control panel.
2. Press the **NEXT** button until the text **Job Library Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the Job Library menu.
4. Press the **NEXT** button to move through the submenus: **Print or Delete.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the Job Library settings.

Submenu	Default Setting	Available Settings	Procedure for Changing Setting
Print	Print User Folder 1		1. Press NEXT or PREVIOUS to scroll through the User Folder Names. 2. Press SELECT to choose the desired User Folder.
Print	Print Job1		1. Press NEXT or PREVIOUS to scroll through the Print Job Names. 2. Press SELECT to choose the desired Print Job.
	Job Name PIN	This step is necessary if the job is a PRIVATE job.	1. Press NEXT or PREVIOUS to increase or decrease each digit of the four-digit number. 2. Press SELECT to set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.
Print	Job Name Copies – Select 1-99		1. Press NEXT or PREVIOUS to increase or decrease each digit of the two-digit number. 2. Press SELECT set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.
Print	Job Name Copies		1. Press SELECT to print the job.
Print	Printing Playback		1. The printer will display PRINTING on Line 1 and PLAYBACK on Line 2 of the display while printing the job.
Delete	Delete (To delete a saved job)		1. Press NEXT or PREVIOUS to scroll through Print or Delete options. 2. Press SELECT to choose Delete.
	Delete User Folder 1		1. Press NEXT or PREVIOUS to scroll through the User Folder Names. 2. Press SELECT to choose the desired User Folder.
	Delete Job1		1. Press NEXT or PREVIOUS to scroll through the Print Job Names. 2. Press SELECT to choose the desired Print Job to Delete.
	Job Name PIN	This step is necessary if the job is a PRIVATE job.	1. Press NEXT or PREVIOUS to increase or decrease each digit of the four-digit number. 2. Press SELECT to set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.

Job Library Errors

When a Job Library error occurs, the following message will be displayed:

JOBLIB Error XX
Press Start

This is a continuable-fault, which means the START key must be pressed to allow operations to continue. If the current job is aborted as a result of the error, the message"Canceling Job" may be displayed after START is pressed. "XX" in the error display above is an error code. The error codes for this message are:

- 01 – Data stream was missing a Job Name specification. (Job will be aborted.)
- 02 – Data stream was missing a User Name specification. (Job will be aborted.)
- 03 – Data stream was missing a PIN specification. (Job will be aborted.)
- 04 – Attempted to overwrite a PRIVATE job, but PIN did not match. (Job will be aborted.)
- 05 – Insufficient storage. (Job will be aborted only if it is a PRIVATE job.)

Job Accounting

The Job Accounting Menu provides access to functions and settings related to this feature. Use the following procedure to enter the Job Accounting Menu to change the settings or access the functions:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Job Accounting Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the Job Accounting Menu.
4. Press the **NEXT** button to move through the submenus: **Enable, Print Info, Reset Info.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the Job Accounting settings.

SubMenu	Default Settings	Available Settings	Procedure for Changing Setting
Enabled	No	Yes No	1. Press NEXT or PREVIOUS to scroll through Yes or No options. 2. Press SELECT to choose Yes to turn on this function.
Print Info			1. Press SELECT to begin printing the Job Accounting Summary Report.
Reset Info			1. Press SELECT to reset the Job Accounting Information. This will delete all stored information related to jobs received by the printer.

Paper Menu

The Paper Menu provides access to the printer settings for various paper-handling functions. Use the following procedure to enter the paper menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Paper Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the Paper Menu.
4. Press the **NEXT** button to move through the submenus.

Use the procedures in the following table to access and change the printer paper-handling settings:

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Copies This submenu allows you to change the number of copies printed.	1	Numbers 1 – 999	1. Press NEXT or PREVIOUS to increase or decrease the number of copies printed. 2. Press SELECT to save this setting.
Duplex (optional) This submenu allows you to turn the duplex on or off.	Off	On/Off	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Duplex Bind (optional) This submenu allows you to choose between LEF (Long Edge Feed) and SEF (Short Edge Feed).	Long Edge	Long Edge/Short Edge	1. Press NEXT or PREVIOUS to toggle between LEF and SEF. 2. Press SELECT to save this setting.
Default Source This submenu allows you to choose a default paper source from a list of all installed sources.	Tray 1	Tray 1 Tray 2 Tray 3 (optional) Tray 4 (optional)	1. Press NEXT or PREVIOUS to scroll through the list of available sources of paper. 2. Press SELECT to set a source as the default.
Output Tray (optional) This submenu allows you to select the paper output locations.	Face down tray	Face down tray Offset tray	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.

Submenus	Default Setting	Available Settings		Procedure for Changing Setting
Media Size/Type auto sense This submenu allows you to set the media size and type for all the trays. Auto sense when on allows the printer to detect the paper size being used. However, for some paper sizes the engine cannot auto detect the size and so the auto sense needs to be turned off in these cases and the size selected in the menu.	**Tray 1/Tray 2** Size: A4 Type: Plain Custom Size Type: Plain **Tray 3** (optional) Type: Plain **Tray 4** (optional) Type: Plain	**Size** MBF: Letter, B5, A5, A6, Statement, Executive, C5 Envelope DL Envelope, Com10 Envelope, Monarch Envelope, Legal, Folio, A4 SEF, Letter SEF	**Type** MBF: Plain, Transparency, Prepunched, Letterhead, Colored, Preprinted, Bond, Label, Card Stock, Postcard, Envelope, Other, Thick 1, Thick 2,	1. Press NEXT or PREVIOUS to scroll through the list of available sources of paper. 2. Press SELECT to choose a tray. 3. Press NEXT or PREVIOUS to toggle between MEDIA SIZE and MEDIA TYPE. 4. Press SELECT to choose either. 5. Press NEXT or PREVIOUS to scroll through the available sizes or types. 6. Press SELECT to set a size or type.
Tray Linking This submenu allows you to turn the tray linking function on or off.	On	On Off		1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Blank Pages This submenu allows you to choose to either print or not print blank pages of a document.	Print	Print Do Not Print		1. Press NEXT or PREVIOUS to toggle between PRINT and DO NOT PRINT. 2. Press SELECT to save this setting.
Output Linking (optional)	Off	On Off		1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Auto Resize This menu will scale the output of a PS job to the size selected. It does not scale a PCL job.	Off	On Off		1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Separator Page Prints a blank page between print jobs.	Off	On Off		1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Custom Size Unit This menu is used to set the unit of measurement for the Custom Paper Size feature.	Inches	Inches Millimitres		1. Press NEXT or PREVIOUS to toggle between INCHES and MILLIMITRES. 2. Press SELECT to save this setting.

Interface Menu

The Interface Menu provides access to the printer interface settings. Use the following procedure to enter the interface menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Interface Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the interface menu.
4. Press the **NEXT** button to move through the submenus: **Port**, **Parallel Setup**, **Network 1 Setup, Spooling**, and **USB Setup**.

Use the procedures in the following table to access and change the printer interface settings:

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Port This submenu allows you to enable the type of interface.	**Parallel:** On **Network Card 1:** On **USB:** On	**Parallel:** On, Off **Network Card 1:** On, Off **USB:** On, Off	1. Press NEXT or PREVIOUS to toggle between PARALLEL, NETWORK CARD 1 and USB. 2. Press SELECT to save this setting.
Parallel Setup This submenu allows you to set up the parallel interface.	**Interpreter:** Auto Switch **Format:** Raw **Mode:** Bidirectional **Delay Out Close:** Off **Binary PS:** Off	**Interpreter:** Auto Switch PCL PostScript 3 **Format:** Raw Normal Binary **Mode:** Bidirectional Standard **Delay Out Close:** Off On **Binary PS:** Off On	1. Press NEXT or PREVIOUS to scroll through the INTERPRETER, FORMAT, MODE, DELAY OUT CLOSE, and BINARY PS submenus. 2. Press SELECT to choose a submenu. 3. Press NEXT or PREVIOUS to scroll through the settings. 4. Press SELECT to choose and save a setting.

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Network 1 Setup This submenu allows you to set up the Network interface.	**Interpreter:** Auto Switch **Format:** Raw **Network Address:** **IP Address:** (user-specified) **Subnet Mask:** (user-specified) **Default Gateway:** (user-specified) **LPD Banner:** On **DHCP:** Off **Delay Out Close:** Off **Host Name**: Character string 0-31 characters **mDNS:** On **Local Link:** 0.0.0.0 **mDNS Host Name:** Product name and last 3 hex byte values of Network Address **mDNS Svc Name:** Product name and last 3 hex byte values of Network Address **Mulit-Session:** On **AppleTalk:** **Current Zone:** **Binary PS:** Off **Connection Speed:**	**Interpreter:** Auto Switch PCL PostScript 3 **Format:** Raw Normal Binary **Network Address:** **IP Address:** (user-specified) **Subnet Mask:** (user-specified) **Default Gateway:** (user-specified) **LPD Banner:** On, Off **DHCP:** Off, On **Delay Out Close:** Off, On **Host Name:** **mDNS:** On, Off **Local Link:** **mDNS Host Name:** **mDNS Svc Name:** **Mulit-Session:** On, Off **AppleTalk:** **Current Zone:** **Preferred Zone:** **Binary PS:** Off, On **Factory defaults** Off, On **Connection Speed:**	1. Press NEXT or PREVIOUS to move among the submenus. 2. Press SELECT to choose a submenu. 3. Press NEXT or PREVIOUS to scroll through the settings. 4. Press SELECT to save this setting.

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Spooling The spool ing feature allows print jobs to be automatically spooled to the Flash memory. This is a diagnostic tool. As the flash memory is limited in size under some circumstances the hard drive may be required.	**Start Spooling:** Spool and Print Spool Only **Stop Spooling:** Disables spooling **Playback:** Used to read a file from the user Flash **Delete:** Use to delete a spool file from the User Flash. **Destination:** User Flash Disk		1. Press NEXT or PREVIOUS to scroll through the SPOOLING submenus. 2. Press SELECT to choose a submenu. 3. Press NEXT or PREVIOUS to scroll through the settings. 4. Press SELECT to save this setting.
USB Setup This submenu allows you to set up the USB interface.	**Interpreter:** Auto Switch **Format:** Raw **Delay Out Close:** Off **Binary PS:** Off	**Interpreter:** Auto Switch PCL PostScript 3 **Format:** Raw Normal Binary **Delay Out Close:** Off On **Binary PS:** Off On	1. Press NEXT or PREVIOUS to scroll through the INTERPRETER, FORMAT, DELAY OUT CLOSE, and BINARY PS submenus. 2. Press SELECT to choose a submenu. 3. Press NEXT or PREVIOUS to scroll through the settings. 4. Press SELECT to save this setting.

PS Menu

The PS Menu provides access to the PostScript settings. Use the following procedure to enter the PS Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **PS Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the PS menu.
4. Press the **NEXT** button to move through the submenus: **Print PS Errors**, and **Manual Feed TO.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the PostScript settings:

Submenus	Default Setting	Available Settings	Procedure for Changing Settings
Print PS Errors This submenu allows you to choose to either print or not print PS errors.	Off	On Off	1. Press NEXT or PREVIOUS to toggle between ON (print) and OFF (do not print). 2. Press SELECT to save this setting.

PCL Menu

The PCL Menu provides access to the PCL settings. Use the following procedure to enter the PCL menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **PCL Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the PCL menu.
4. Press the **NEXT** button to move through the submenus: **Orientation, Font Source, Font Number, Pitch, Symbol Set, Macro Filter, Lines Per Page, CR Mode, LF Mode, FF Mode, and Print Area.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the PCL settings:

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Orientation This submenu allows you to choose the orientation of the page.	Portrait	Portrait Landscape	1. Press NEXT or PREVIOUS to toggle between PORTRAIT and LANDSCAPE. 2. Press SELECT to choose and save an orientation.
Font Source This submenu allows you to choose a font source.	Internal	Internal Downloaded	1. Press NEXT or PREVIOUS to scroll through the available font sources. 2. Press SELECT to choose and set a source.
Font Number This submenu allows you to set the font number.	0	Dependent on model of printer and options installed	1. Press NEXT or PREVIOUS to increase or decrease the font number. 2. Press SELECT to save this setting.
Pitch This submenu allows you to change the pitch of text.	10.00	0.08 – 100.00	1. Press NEXT or PREVIOUS to increase or decrease the pitch. 2. Press SELECT to save this setting.

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Symbol Set This submenu allows you to choose a symbol set.	10U:PC-8 CP437	10U:PC-8 CP437 11U:PC-8 D/N 12U:PC-850 17U:PC-852 9T:PC-Turkish 19U:WIN Latin1 9E:WIN Latin2 5T:WIN Latin5 7J:Desk Top 10J:PS Text 13J:Ventura Intl 14J:Ventura US 6J:Microsoft Pub 8M:Math-8 PS:Math 6M:Ventura Math 15U:Pi Font 1U: Legal 1E: ISO4 UK 0U:ISO6 ASCII 0S:ISO11 Swedish 0I:ISO15 Italian 2S:ISO17 Spanish 1G:ISO21 German 0D:ISO60 Norwegian 1F:ISO69 French 9U:WIN3.0 Latin1 8U:Roman 8 0N:ISO 8859-1 2N:ISO 8859-2 5N:ISO 8859-5	1. Press NEXT or PREVIOUS to scroll through the available symbol sets. 2. Press SELECT to choose and set a symbol set.
Macro Filter This submenu allows you to turn the macro filter on or off.	Off	On Off	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Lines Per Page This submenu allows you to change the number of lines per page.	60	5 – 128	1. Press NEXT or PREVIOUS to increase or decrease the lines per page. 2. Press SELECT to save this setting.
CR Mode This submenu allows you top define the action prompted by a carriage return—a carriage return equals either a carriage return alone, or a carriage return and a line feed together.	CR = CR	CR = CR CR = CR/LF	1. Press NEXT or PREVIOUS to choose from CR=CR or CR=CR/LF. 2. Press SELECT to save this setting.

Submenus	Default Setting	Available Settings		Procedure for Changing Setting
LF Mode This submenu allows you to define the action prompted by a line feed—a line feed equals either a line feed alone or a carriage return and a line feed together.	LF = LF	LF = LF LF = CR/LF		1. Press NEXT or PREVIOUS to choose from LF=LF or LF=CR/LF. 2. Press SELECT to save this setting.
FF Mode This submenu allows you to define the action prompted by a form feed—a form feed equals either a form feed alone or a carriage return and a form feed together.	FF = FF	FF = FF FF = CR/FF		1. Press NEXT or PREVIOUS to choose from FF=FF or FF=CR/FF. 2. Press SELECT to save this setting.
Print Area This submenu allows you to set the print area.	Normal	Normal Expanded		1. Press NEXT or PREVIOUS to toggle between the NORMAL and EXPANDED settings. 2. Press SELECT to save this setting.
Parameter Values	**Paper Source:** **Paper Size:** Executive	**Paper Source:** Tray 1 (=0001) Tray 2 (=0004 – optional tray) Tray 3 (=0005 – optional tray) Tray 4 (=0006 – optional tray) Auto-select (=0007)	**Paper Size:** Executive (=0001) Letter (=0002) Legal (=0003) Statement (=0004) Folio (=0005) A6 (=0024) A5 (=0025) A4 (=0026) B5 (=0045) Monarch Envelope (=0080) Com10 Envelope (=0081) DL Envelope (=0090) CS Envelope (=0091)	1. Press NEXT or PREVIOUS to toggle between the PAPER SOURCE and PAPER SIZE submenus. 2. Press SELECT to choose a submenu. 3. Press NEXT or PREVIOUS to scroll through the settings. 4. Press SELECT to save this setting.

System Menu

The system menu provides access to system settings. Use the following procedure to enter the system menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **System Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the submenus: **Factory Defaults, Display Language, Power Saver, Wait Timeout, Job Timeout, Jam Recovery, Hex Print, Toner Low, Page Compression, and Intellifilter.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the system settings:

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Factory Defaults This submenu allows you to reset the printer to U.S. or Non-U.S. factory defaults.	U.S.	U.S. Non-U.S.	1. Press NEXT or PREVIOUS to toggle between U.S. and NON-U.S. 2. Press SELECT to choose and set the factory defaults.
Display Language This submenu allows you to change the language of the display messages.	English	English Francais (French) Deutsch (German) Italiano (Italian) Espanol (Spanish)	1. Press NEXT or PREVIOUS to scroll through the available languages: English, French (Francais), German (Deutsch), Italian (Italiano), or Spanish (Espanol). 2. Press SELECT to choose and set the language.
Power Saver	15	1 – 60	1. Press NEXT or PREVIOUS to increase or decrease the digit. 2. Press SELECT to save this setting.
Wait Timeout This submenu allows you to increase or decrease the length of time (in seconds) that the printer will remain in the waiting state—a job is being processed, no end-of-file has been detected, and there is no more data to process. This setting applies to *both PCL and PostScript print jobs.*	00020	0 – 99999	1. Press NEXT or PREVIOUS to increase or decrease each digit of the five-digit number. 2. Press SELECT set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.
Job Timeout This submenu allows you to increase or decrease the time limit (in seconds) for PostScript jobs. A 0 setting indicates no timeout. This setting applies *only to PostScript jobs.*	00000	0 – 99999	1. Press NEXT or PREVIOUS to increase or decrease each digit of the five-digit number. 2. Press SELECT set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Jam Recovery This submenu allows you to turn jam recovery on or off.	On	On Off	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Hex Print This submenu allows you to print hexadecimal characters.	Off	On Off	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Toner Low	Stop	Stop Continue	1. Press NEXT or PREVIOUS to toggle between STOP and CONTINUE. 2. Press SELECT to save this setting.
Reset Toner life			Press select only to reset Toner life after installing new Toner cartridge. If you do not intend to reset the Toner life select Return.
Page Compression	On	On Off	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Factory Defaults	Dependent on printer build	US Non US	1. Press next or previous to select US or Non US. 2. Press SELECT to save this setting.
Intellifilter This submenu allows you to turn the Intellifilter feature on or off.	On	On Off	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.

Quality Menu

The Quality Menu provides access to the printer settings that are related to print quality. Use the following procedure to enter the Quality Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Quality Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the submenus: **Resolution and Print Density.** Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the quality menu settings:

Submenus	Default Setting	Available Settings	Procedure for Changing Setting
Resolution This submenu allows you to set the resolution (dpi).	600 dpi	600 dpi 1200 dpi	1. Press NEXT or PREVIOUS to scroll through the available resolutions. 2. Press SELECT to choose and set the dpi.
Toner Save	Off	Off On	1. Press NEXT or PREVIOUS to toggle between ON and OFF. 2. Press SELECT to save this setting.
Print Density	5	1 – 7	1. Press NEXT or PREVIOUS to increase or decrease the digit. 2. Press SELECT to save this setting.

Date/Time Menu (optional)

The Date/Time Menu provides access to the printer settings that are related to print quality. Use the following procedure to enter the Date/Time Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Date/Time Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the menu.
4. Press the **NEXT** button to move through the submenus: **Month, Day, Year, Hour, Minute, Second, and Offset from GMT.** Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the Date/Time menu settings:

Submenus	Available Settings	Procedure for Changing Setting
Month This submenu allows you to set the current month.	January thru December	1. Press NEXT or PREVIOUS to scroll through the months. 2. Press SELECT to choose and set the month.
Day This submenu allows you to set the current day.	Monday – Sunday	1. Press NEXT or PREVIOUS to scroll through the days. 2. Press SELECT to choose and set the day.
Year This submenu allows you to set the current year.	2000 – 2099	1. Press NEXT or PREVIOUS to scroll through the years. 2. Press SELECT to choose and set the year.
Hour This submenu allows you to set the current hour.	1-12	1. Press NEXT or PREVIOUS to scroll through the hours. 2. Press SELECT to choose and set the hour.
Minute This submenu allows you to set the current minute.	1 – 59	1. Press NEXT or PREVIOUS to scroll through the minutess. 2. Press SELECT to choose and set the minute.
Second This submenu allows you to set the time in seconds.	1 – 59	1. Press NEXT or PREVIOUS to scroll through the seconds. 2. Press SELECT to choose and set the second.
Offset from GMT This submenu allows you to set time for a different time zone in hours, minutes and seconds.	-12 through + 12	1. Press NEXT or PREVIOUS to scroll through the submenus. 2. Press SELECT to choose and set the hours, minutes or seconds.

Functions Menu

The Functions Menu provides access to several printer functions that can supply you with information about the printer and its settings. Use the following procedure to enter the Functions Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Functions Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the available functions: **Reset Printer, Print Summary, Print Demo, and Print Fonts.**

Use the procedures in the following table to execute the functions:

Functions	Procedure for Executing Function
Reset Printer This function resets the printer.	Press SELECT to reset the printer.
Print Summary This function prints a list of all printer settings:	Press SELECT to print a summary of the printer settings.
Print Test This function allows you to print a demo page.	Press SELECT to print either a single test page or continous run of test pages.
Print Fonts This function allows you to print Postscript or PCL font lists.	1. Press NEXT or PREVIOUS to toggle between POSTSCRIPT and PCL. 2. Press SELECT to select and print the specific fonts list.

FLASH Menu

The FLASH Menu provides access to the printer settings that are related to the FLASH DIMM. The printer is supplied with varying levels of Flash Simm dependent on the region. It is not possible to update the amount of flash memory. The minimum configuration of flash memory supports 2 MB. To increase the capacity to store and use files on the printer a hard disk has to be added. Use the following procedure to enter the FLASH Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **FLASH Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the submenus: **Print, Delete, Format FLASH**, and **FLASH summary.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the Flash menu settings:

Submenus	Procedure for Changing Setting
Print This selection will read the selected file from FLASH and print it as if it were being received from one of the input ports.	1. Press NEXT or PREVIOUS to scroll through the files. 2. Press SELECT to choose and print the file.
Delete This selection will delete the selected disk file or directory from the FLASH DIMM. To delete an entire directory, you must first delete all the files within that directory.	1. Press NEXT or PREVIOUS to scroll through the files. 2. Press SELECT to choose and delete the file.
Format Flash This selection will reformat the FLASH DIMM.	1. Press SELECT to reformat the FLASH DIMM.
Flash Summary This selection will print a page containing information about the installed FLASH DIMM including a list of all the current existing files and directories.	1. Press SELECT to print the FLASH summary.

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WARNING! All files on the FLASH DIMM will be deleted if the **Format FLASH** function is selected.

DISK Menu

NOTE: This menu selection will only appear if an optional hard disk drive has been installed. Consult other sections of this user manual for detailed installation and usage instructions.

The Disk Menu provides access to the printer settings that are related to the optional Hard Disk. Use the following procedure to enter the Disk Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Disk Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the submenus: **Print, Delete, Format Disk**, and **Disk Summary.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the Disk menu settings:

Submenus	Procedure for Changing Setting
Print This selection will read the selected file from Disk and print it as if it were being received from one of the input ports.	1. Press NEXT or PREVIOUS to scroll through the files. 2. Press SELECT to choose and print the file.
Delete This selection will delete the selected disk file or directory from the hard disk. To delete an entire directory, you must first delete all the files within that directory.	1. Press NEXT or PREVIOUS to scroll through the files. 2. Press SELECT to choose and delete the file.
Format Disk This selection will reformat the hard disk.	1. Press SELECT to reformat the hard disk.
Disk Summary This selection will print a page containing information about the installed hard disk, including a list of all the current existing files and directories.	1. Press SELECT to print the Disk summary.

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WARNING! All files on the hard disk will be deleted if the **Format Disk** function is selected

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Chapter 8

Optional Extended Features

In this Chapter . . .

- "About this Chapter" on page 8-2
- "Installing DRAM Memory DIMMS" on page 8-2
- "Installing the Hard Disk Option in the Printer" on page 8-5
- "Using the Hard Disk Option and User Flash DIMM Module" on page 8-10
- "Collating, Saved Jobs, and Job Accounting" on page 8-15
- "Using the Custom Paper Size Feature" on page 8-25
- "Custom Page size and Microsoft Word, Word 2000, and Word 2003" on page 8-28
- "Accessing the Printer Web Page" on page 8-30

About this Chapter

This chapter describes the procedures for installation of DRAM Memory DIMMs and the Hard Disk Option. Also describes how to use the extended features associated with these options.

Installing DRAM Memory DIMMS

1. Ensure that the printer power switch is set to the OFF <**O**> position.
2. Disconnect the power cord from the wall outlet.
3. Remove side cover from printer.

4. Turn thumbscrews on controller assembly counterclockwise until loose and gently pull cover towards you to remove from printer.

5. Once the thumbscrews have been removed, pull the side panel away from the printer by the top edge as show below.

6. Carefully insert a DRAM DIMM which is compatible with your printer into DRAM DIMM slot as shown below. When properly seated, gently push down on the DIMM until the side braces close onto the ends of the DIMM.

7. Reinstall the side covers in reverse order as shown in Steps 3, 4, and 5.
8. Connect the power cord to the wall outlet.Turn the printer power switch to the ON <**I**> position.

Installing the Hard Disk Option in the Printer

1. Carefully review the safety precautions in the front of this guide before starting this installation procedure.
2. Ensure that the printer power switch is set to the OFF <**O**> position.
3. Disconnect the power cord from the wall outlet.

4. Turn thumbscrews on controller assembly counterclockwise until loose and gently pull cover towards you to remove from printer.

5. Once the thumbscrews have been removed, pull the side panel away from the printer by the top edge as show below.

6. Locate the area of the controller identified as “Hard Disk”. Ensure that there is a plastic female insert fitted into the board into which the supplied plastic rivet can be fitted in stage 9. Align the hard disk within the designated area and gently move up to ensure the 44-pin male connector of the hard disk is connected to the 44-pin female connector on the controller assembly.

7. Be sure to align the Hard Drive as depicted by the alignment drawing on the controller, making sure that the two top pins to the left of the connector are free standing and not connected.

8. If there is improper alignment, remove the Hard Drive and reinstall.

NOTE: Improper alignment will damage the hard drive and possibly the controller board.

9. Insert the plastic rivet through the aligned hole.

10. Reinstall the side covers in reverse order of steps 3, 4, and 5. Once firmly in place, push and hand tighten the thumbscrews in a clockwise direction.
11. Connect the power cord to the wall outlet.Turn the printer power switch to the ON <**I**> position.

The installation of your Hard Disk option in your printer is now complete. Format the Hard Disk as detailed in the next section.

Using the Hard Disk Option and User Flash DIMM Module

This section discusses the available control panel menus when the Hard Disk option is installed. The user flash menus are always available. Power-on files and the storage of files on the Hard Disk and User Flash option are also discussed.

Operator Panel MENU Structure

The printer control panel menu structure is enhanced as shown in the following table. The shaded areas denote additional features and settings relevant to the Hard Disk or User Flash option.

Menu				
	Job Library			
	Job Accounting			
	Paper Menu			
	Interface Menu			
	PS Menu			
	PCL Menu			
	System Menu			
		Display Language		
		Alarm Control		
		Power Saver		
		Wait Timeout		
		Job Timeout		
		Jam Recovery		
		Hex Print		
		Intellifilter		
		Power-On Files		
			Playback	FILE01.POR
				FILE02.POR
				FILE03.POR
				. . .
				. . .
			Delete	FILE01.POR
				FILE02.POR
				FILE03.POR
				. . .
				. . .
	Quality Menu			
	Functions			
	Disk Menu			
		Print		
		Delete		
		Format Disk		
		Disk Summary		
	Flash Menu			
		Print		
		Delete		
		Format Disk		
		Disk Summary		

NOTE: 1. The Flash Menu and Disk Menu will only appear when the respective FLASH SIMM and/or Hard Disk option is installed.
2. Power-On Files menu will only appear if either a FLASH SIMM or a Hard Disk option is installed and power-on files exist.

Using the Disk Menu

Manipulation of files stored on the hard disk option can be accomplished using the Disk Menu.

Disk Menu	
	Print
	Delete
	Format Disk
	Disk Summary

Print

This selection will read the selected file from the Hard Disk and print it as if it were being received from one of the input ports.

Delete

This selection will delete the selected disk file or directory from the hard drive. To delete an entire directory, you must first delete all the files within that directory.

Format Disk

This selection will reformat the hard drive. All files on the hard drive will be deleted if this function is selected.

Disk Summary

This selection will print a page containing information about the hard disk drive including a list of all the current existing files and directories.

Using the Flash Menu

Manipulation of files stored in the FLASH SIMM can be accomplished using the Flash Menu.

Flash Menu	
	Print
	Delete
	Format Usr FLASH
	Flash Summary

Print

This selection will read the selected file from the FLASH SIMM and print it as if it were being received from one of the input ports.

Delete

This selection will delete the selected file or directory from the FLASH SIMM. To delete an entire directory, you must first delete all the files within that directory.

Format Flash

This selection will reformat the FLASH SIMM. All files on the FLASH SIMM will be deleted if this function is selected.

Flash Summary

This selection will print a page containing information about the FLASH SIMM including a list of all the current existing files and directories.

Using the FLASH SIMM or Hard Disk Option as a PostScript Device

In order to allow PostScript programs to access the FLASH SIMM and/or hard disk options, a full implementation of a PostScript storage device is provided. This section discusses an overview of the PostScript operators and parameter sets that are included in the support.

For detailed information on using the operators/parameter sets, please refer to the following publications:

PostScript Language Reference Manual

Adobe PostScript 3 Version 3010 Product Supplement

Device Names and Priority

The device names assigned to the FLASH SIMM and hard disk options are as follows:

%flash%	device name for the FLASH SIMM
%disk0%	device name for the hard disk

If both devices are installed, both devices can be referenced uniquely by name. If no device name is specified in the PostScript operation, the *SearchOrder* parameter in the device parameter set establishes the priority for file operations. When both devices are installed, the *SearchOrder* value for the hard disk is set to 1, while the *SearchOrder* value for the FLASH SIMM is set to 2. This gives priority to the hard disk.

PostScript Operators

All of the standard file-object related operators (file, read, write, etc.) are supported. In addition, following is a list of device-related PostScript Compatibility operators that are supported for use with the FLASH SIMM(*%flash%*) or hard disk (*%disk0%*) options:

- devdismount
- devforall
- devformat
- devmount
- devstatus
- diskonline
- diskstatus
- initializedisk
- dosysstart
- setdosysstart

Device Parameter Sets

When installed, a device parameter set will be supported for either or both FLASH SIMM and hard disk options. The parameter sets can be referenced using the device names *%flash%* or *%disk0%*. Each parameter set will include the following parameters:

- LogicalSize
- Writeable
- BlockSize
- Searchable
- SearchOrder
- Type
- Mounted
- HasNames
- PhysicalSize
- InitializeAction
- Free
- Removable

Warmstart.ps and Sys/Start Files

When either or both the FLASH SIMM or hard disk options are installed, there are two features which provide support for automatic execution of a PostScript program during power-on initialization.

The first feature is the *warmstart.ps* file. Each time the printer is powered on, either or both optional storage devices will be checked for a file named *warmstart.ps*. If this file is found, it will be read and parsed by the PostScript interpreter. It is up to the PostScript programmer to create the content of this file and get the file onto the storage device using the PostScript device and file operators.

The second feature is the *Sys/Start* file. If either or both of the optional storage devices are installed, an additional parameter will be supported in the System Parameter set. This parameter is an integer parameter called *StartupMode* and is set to 1 by default.

NOTE: This parameter can be read or written using the *dosysstart* and *setdosysstart* operators.

Each time the printer is powered on, if the StartupMode parameter is set to 1, either or both the optional storage devices will be searched for a file called *Sys/Start*, a file named *Start* in a path called *Sys*. If this file is found, it will be read and parsed by the PostScript interpreter. Again, it is up to the PostScript programmer to create the content of this file and get the file onto the storage device using the PostScript device and file operators.

Using the Power-On Files Feature

Power-on Files Defined

If a FLASH DIMM or hard disk drive is installed in your printer, your printer has the capability of storing additional power-on files which can be read and interpreted at power-on. Power-on files are processed at power-on initialization only and not at the start of every print.

Power-on files can contain either PCL or PostScript language content. Examples of power-on files include soft fonts, and macro/overlay definitions. The FLASH DIMM can store a minimum of approximately 2MB of file storage, the hard disk drive storage depends on the size of the drive that is installed in your printer.

Optional operator panel menu selections become available when either of these options are installed and power-on files are detected.

Collating, Saved Jobs, and Job Accounting

The features discussed in this section are designed to work with the Hard Disk Option. However, if no Hard Disk Option is installed, these features will utilize the User Flash Option. However, the Flash memory may not be large enough to use with some jobs. In particluar it is recommended for collation that a hard drive is installed. If both the Hard Disk Option and a User Flash are installed, these features will default to the Hard Disk Option.

There are two new features available using the Hard Disk or User Flash Option; Collating and Saved Jobs. The drivers that support these new features are as follows:

- PCL – Windows 2000 and Windows XP
- Microsoft Postscript driver – Windows 2000 and Windows XP

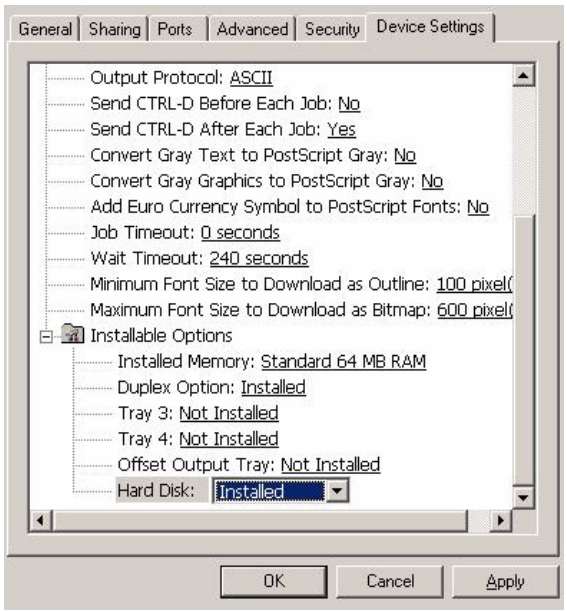
Collating Feature

When this feature is enabled, multiple copies of the entire document (all pages e.g. 1-3, 1-3, 1-3) will be printed in sequential order rather than multiple copies of each individual page (111, 222, 333).

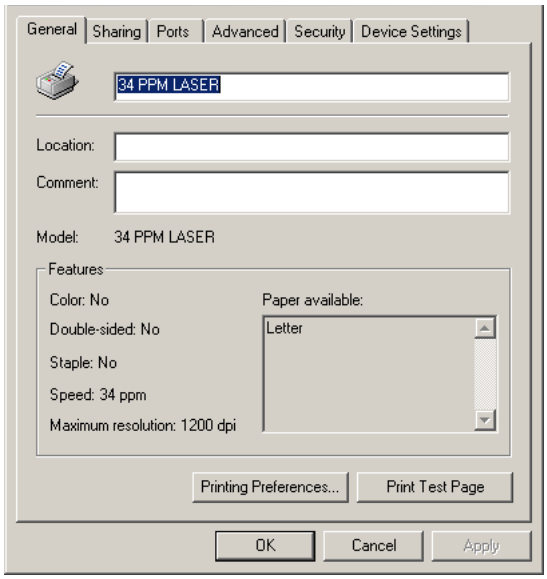
You access the collating feature through the drivers that support this feature. But, before these features can be used, the hard drive option has to be enabled in driver Device Settings. To access the Collating feature on your desktop, go to the Start menu, left click on Settings, left click on Printers, and then click on your printer driver icon, right click and follow the menu to the Properties menu.

Use the following procedure to enable collating. The example shown below is using the Poscript driver.

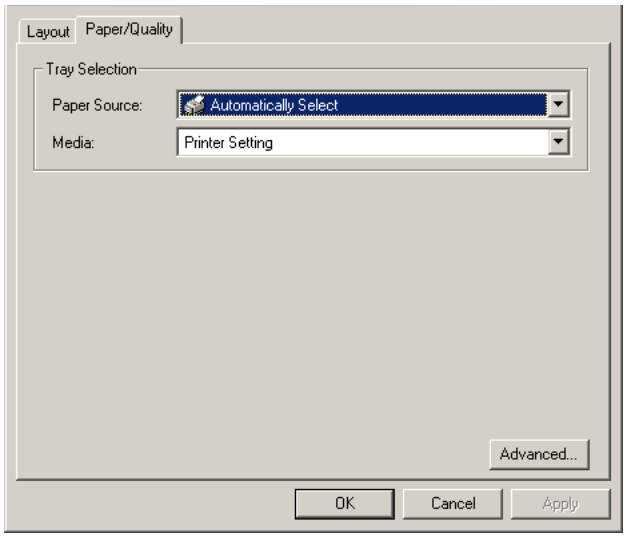
1. Click on the **Device Settings** button. Scroll down and make sure a Hard Disk option or User Flash is installed. Then click the **OK** button. A Hard Disk must be installed to use the Collating Feature.



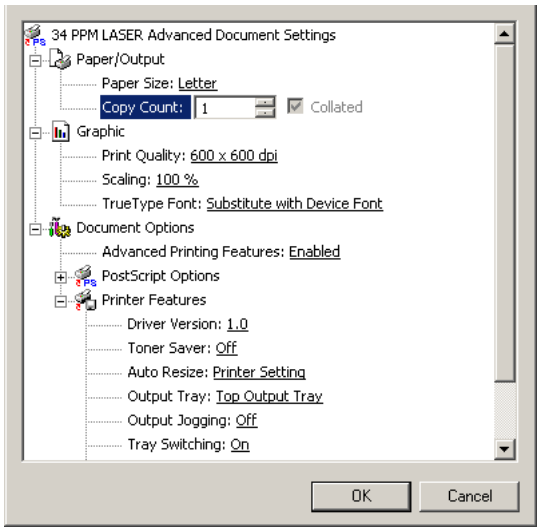
2. Press the **Printing Properties** button printer icon.
3. Click on the **Printing Preferences** button.



4. Click on the **Paper Quality** button and then the **Advanced** button.



5. Click on the **Copy Count** button to enter the number of copies and make sure the **Collate** button is checked.



6. Click to **OK** button and your printer driver is set to collate the number of copies specified.

Saved Jobs Feature

You can create saved jobs using the drivers that support this feature. The drivers that support this feature are as follows:

- PCL – Windows 2000 and Windows XP
- Microsoft PostScript – Windows 2000 and Windows XP

There are three job types available, Normal, Saved, and Private. The descriptions of the job types are as follows:

Normal

A normal print job. No print job data is saved.

Saved

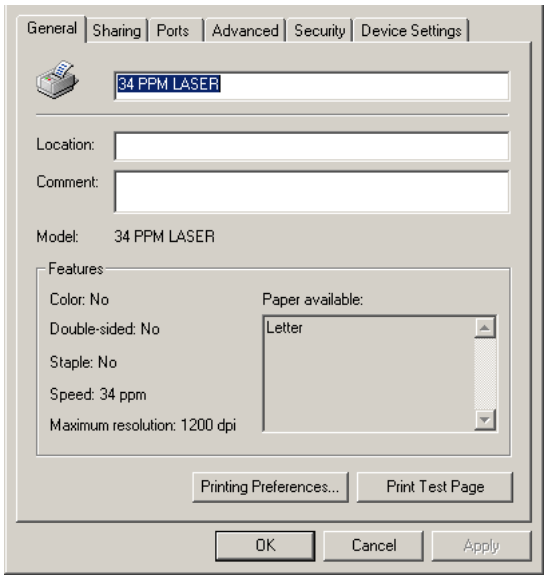
The print job data is saved on the Hard Disk or User Flash Option. The job will be saved in the "Job Library" folder. A sub-folder in the Job Library folder will be created, if necessary, for the user, as specified by the user name. The print job will be stored in a file in this folder with a name created by the user in the job name field of the printer driver.

Private

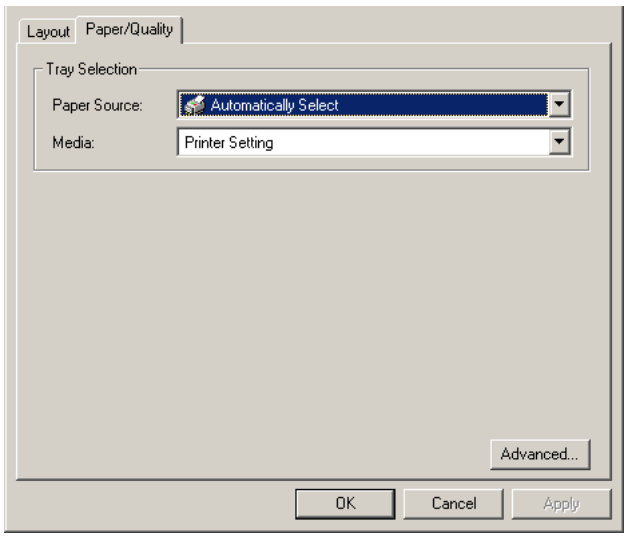
The print job data is saved on the Hard Disk or User Flash Option. The job will be saved in the "Job Library" folder. A sub-folder will be created, or the by the user as specified by user name. The print job will be stored in a file in this folder, with a name specified by user in the job name field of the printer driver. "Private" print job files are secured by having an associated PIN which is entered in the PIN field of the driver by the user. Any access to this file will require the PIN to be entered.

To access the Saved Jobs on your desktop, go to the Start menu, left click on Settings, left click on Printers, and then click on your printer driver icon, right click and follow the menu to the Properties menu. The example shown below is using the Poscript driver.

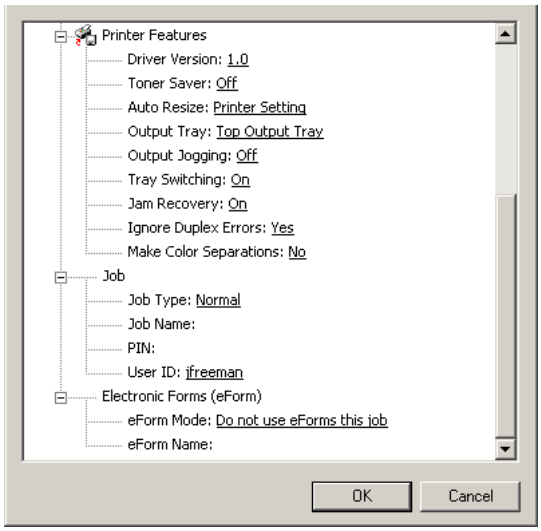
1. You are now in the **Printing Properties** menu, click on the **Printing Preference** button.



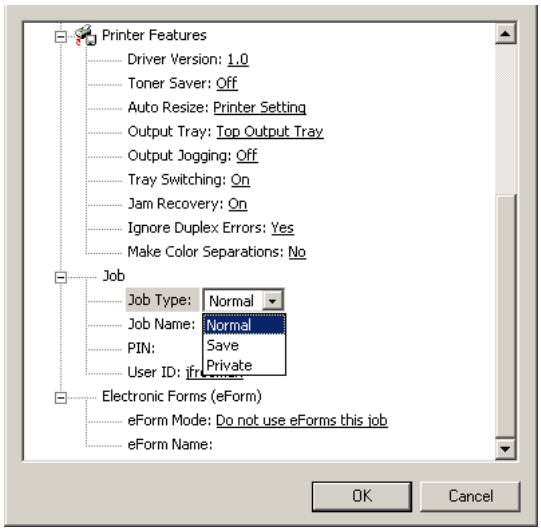
2. Click on the **Paper Quality** button and then the **Advanced** button.



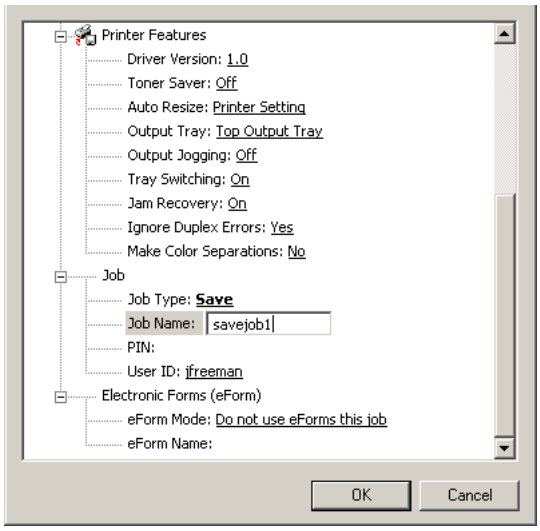
3. Now scroll down to the **Job Type** Section of the menu.



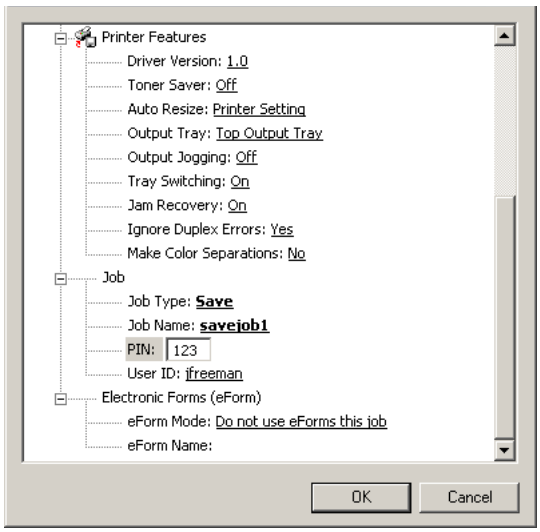
4. When you click on Job Type, three job types are available. **Normal, Saved,** and **Private**.



5. If you want to **Save** your print job, enter a name you want to save the job as and it will be saved under User ID folder listed. You can change the User ID in this menu also.



6. If you want to make your job **Private**, you can enter a number in the PIN menu. You will only be able to print this document if you know the PIN number.



Working with Saved Jobs

There are two ways to work with Saved Jobs. One is through the front panel menus, the other is through the printer web pages.

Front Panel Access

The Job Library Menu provides access to the printer settings that are related to the optional Hard Disk. Use the following procedure to enter the Job Library Menu to Print or Delete jobs that are Saved in the Job Library, including jobs that have a PIN number:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Job Library Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the Job Library Menu.
4. Press the **NEXT** button to move through the submenus: **Print or Delete.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the system settings.

Menu	Submenus	Procedure for Changing Setting
Job Library (Saved Job)	Print (To print a saved job)	1. Press NEXT or PREVIOUS to scroll through Print or Delete options. 2. Press SELECT to choose Print.
	Print User Folder 1	1. Press NEXT or PREVIOUS to scroll through the User Folder Names. 2. Press SELECT to choose the desired User Folder.
	Print Job1	1. Press NEXT or PREVIOUS to scroll through the Print Job Names. 2. Press SELECT to choose the desired Print Job.
	Job Name Copies – Select 1-99	1. Press NEXT or PREVIOUS to increase or decrease each digit of the two-digit number. 2. Press SELECT set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.
	Job Name Copies	1. Press SELECT to print the job.
	Printing Playback	1. The printer will display PRINTING on Line 1 and PLAYBACK on Line 2 of the display while printing the job.
Job Library (Saved Job with PIN)	Print (To print a saved job with a PIN)	1. Press NEXT or PREVIOUS to scroll through Print or Delete options. 2. Press SELECT to choose Print.
	Print User Folder 1	1. Press NEXT or PREVIOUS to scroll through the User Folder Names. 2. Press SELECT to choose the desired User Folder.
	Print Job1	1. Press NEXT or PREVIOUS to scroll through the Print Job Names. 2. Press SELECT to choose the desired Print Job.
	Job Name PIN	1. Press NEXT or PREVIOUS to increase or decrease each digit of the four-digit number. 2. Press SELECT to set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.

Menu	Submenus	Procedure for Changing Setting
	Job Name INCORRECT PIN	1. If an incorrect PIN is entered, press PREVIOUS to re-enter the correct PIN.
	Job Name Copies – Select 1-99	1. Press NEXT or PREVIOUS to increase or decrease each digit of the two-digit number. 2. Press SELECT to set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.
	Job Name Copies	1. Press SELECT to print the job.
	Printing Playback	The printer will display PRINTING on Line 1 and PLAYBACK on Line 2 of the display while printing the job.
Job Library DELETE	Delete (To delete a saved job)	1. Press NEXT or PREVIOUS to scroll through Print or Delete options. 2. Press SELECT to choose Delete.
	Delete User Folder 1	1. Press NEXT or PREVIOUS to scroll through the User Folder Names. 2. Press SELECT to choose the desired User Folder.
	Delete Job1	1. Press NEXT or PREVIOUS to scroll through the Print Job Names. 2. Press SELECT to choose the desired Print Job to Delete.
Job Library (Delete Saved Job with PIN)	Delete (To delete a saved job with a PIN)	1. Press NEXT or PREVIOUS to scroll through Print or Delete options. 2. Press SELECT to choose Delete.
	Delete User Folder 1	1. Press NEXT or PREVIOUS to scroll through the User Folder Names. 2. Press SELECT to choose the desired User Folder.
	Delete Job1	1. Press NEXT or PREVIOUS to scroll through the Print Job Names. 2. Press SELECT to choose the desired Print Job to Delete.
	Job Name PIN	1. Press NEXT or PREVIOUS to increase or decrease each digit of the four-digit number. 2. Press SELECT to set one digit and move to the next digit. 3. Press SELECT after changing the last digit to save this setting.
	Job Name INCORRECT PIN	1. If an incorrect PIN is entered, press PREVIOUS to re-enter the correct PIN.
	Job Name	1. Press SELECT to Delete the job.

Job Accounting Feature

The printer supports a job accounting feature which will store certain information about each print job received by the printer. There are two ways to work with this feature. One is through the front panel menu.

NOTE: Please see "Accessing the Printer Web Page" on page 8-30 for more information on the Job Accounting Feature.

Front Panel Access

The Job Accounting Menu provides access to functions and settings related to this feature. Use the following procedure to enter the Job Accounting Menu to change the settings or access the functions:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Job Accounting Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the Job Accounting Menu.
4. Press the **NEXT** button to move through the submenus: **Enable, Print Info, Reset Info.**
5. Press the **SELECT** button to enter a submenu.

Use the procedures in the following table to access and change the system settings.

SubMenu	Settings	Procedure for Changing Setting
ENABLED	Yes or No	1. Press NEXT or PREVIOUS to scroll through Yes or No options. 2. Press SELECT to choose Yes to turn on this function.
PRINT INFO		1. Press SELECT to begin printing the Job Accounting Summary Report.
RESET INFO		1. Press SELECT to reset the Job Accounting Information. This will delete all stored information related to jobs received by the printer.

When you print a Job Accounting Summary the following information will print on your report:

Job Name	User Name	Port	Protocol	Pages (sides)	Pages (sheets)	Date/Time	Duration
job2	jerry	parallel		4	4	March 30 2004 01:11:10 PM	00:00:08
job1	jerry	network1	LPD	4	4	March 30 2004 01:12:10 PM	00:00:04

NOTE: Only products that have real time clock support will provide the Date/Time information.

Using the Custom Paper Size Feature

Operator Panel Access

The Paper Menu provides access to the Custom Paper Size settings. The range for setting a custom paper size is:

Paper Width	3.5 inches (98 mm) minimum to 8.5 inches (215 mm) maximum
Paper Length	5.5 inches minimum to 35.43 inches maximum

Use the following procedure to enter the Paper Menu to set a Custom Paper Size:

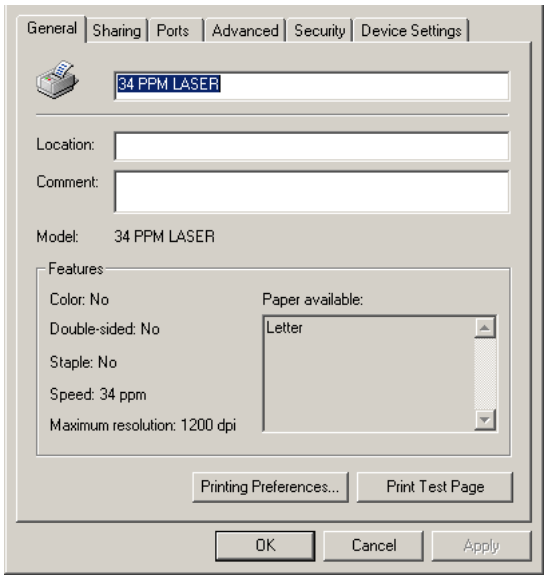
1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text **Paper Menu** is shown on the second line of the display.
3. Press the **SELECT** button to enter the **Paper Menu**.
4. Press the **NEXT** button until the text **Media Size/Type** is shown on the second line of the display and press the **SELECT** button**.**
5. Press the **NEXT** button until the text **Tray 1** or **Tray 2** is shown on the second line of the display.
6. Press the **SELECT** button.
7. Press the **SELECT** key and press the **NEXT** key until the second line says **Off**.
8. Press the **SELECT** key key until **Auto-Sense** is shown on the second line.
9. Press the **SELECT** key and press the **NEXT** key until the second line says **Off**.
10. Press the **SELECT** key.
11. Press the **NEXT** button until the text **Custom Size** is shown on the second line of the display.
12. Press the **SELECT** button to enter the **Custom Size** menu. **Width** is shown on the second line of the display.
13. Press **NEXT** or **PREVIOUS** to increase or decrease each digit of the three-digit number to set the width of your paper. When the width of paper is correct, press the **SELECT** button.
14. Next **Length** is shown on the second line of the display.
15. Press **NEXT** or **PREVIOUS** to increase or decrease each digit of the three-digit number to set the length of your paper. When the length of paper is correct, press the **SELECT** button.
16. Press **RETURN** until you exit out of all the submenus and return to **READY**.

Printer Driver Access

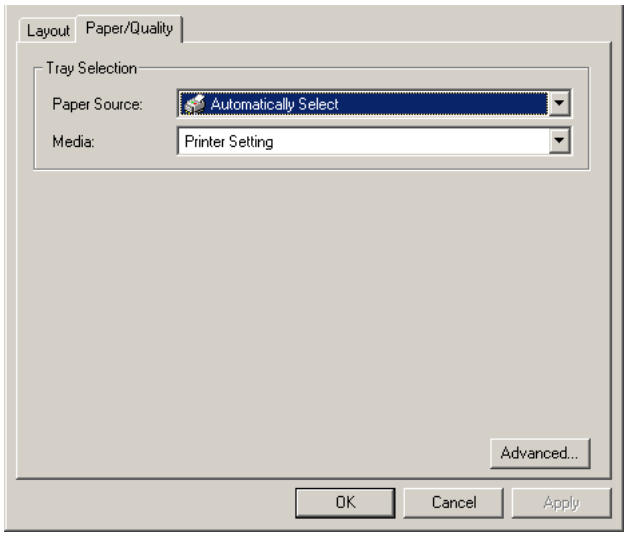
To access the Custom Paper Size Feature through your printer driver, use the following procedure. The example shown below is using the Poscript driver.

1. On your desktop, go to the Start menu, left click on Settings, left click on Printers, and then click on your printer driver icon, right click and follow the menu to the Properties menu.

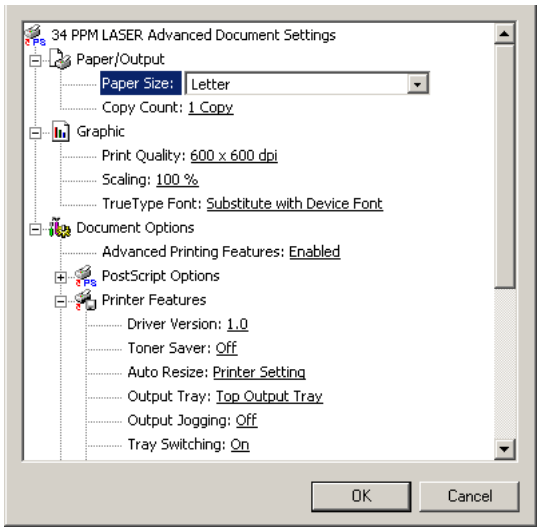
2. You are now in the **Printing Properties** menu, click on the **Printing Preference** button.



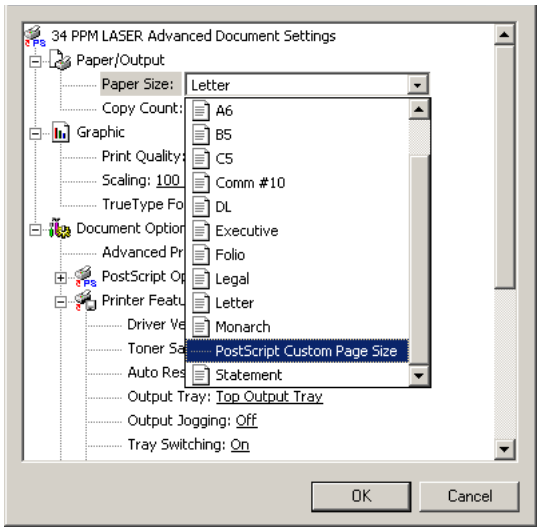
3. Click on the **Paper Quality** button and then the **Advanced** button.



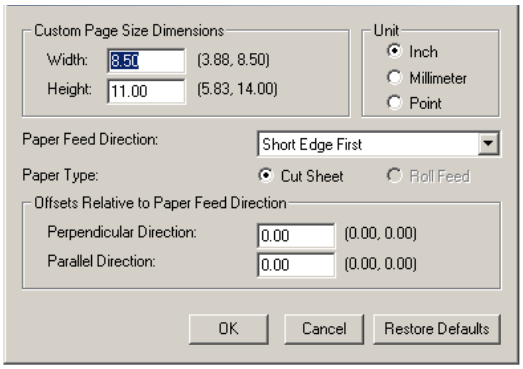
4. Click on the **Paper Size** button.



5. Scroll downand click on **PS Custom Page Size**.



6. Then enter the width and height of your custom paper size.



7. Click the **OK** button until you exit out of the driver menu. You are now ready to print your custom sized document.

Custom Page size and Microsoft Word, Word 2000, and Word 2003

When you specify a PostScript custom page size in the Paper Size box in the advanced printer properties for a supported printer, the custom size setting appears to be ignored if you have configured Microsoft Word to use the PostScript Custom Page Size setting. Word defaults to the default size of 8.5 by 11 inches. Word is limited to a maximum length of 22 inches.

Resolution

If you want to use PostScript custom page sizes that are supported by a printer, the only way to make them work correctly in Word is to add custom forms to Windows and then to choose those form names in Word. By using this method, the PostScript Page Size setting in Word is ignored, and the newly added forms are used instead.

Create a custom form for printing to a non-standard paper size in Microsoft Windows NT 4.0, Windows 2000, and Windows XP.

To create a custom form, follow these steps:

- Navigate to **CONTROL PANEL**, double click **PRINTERS**.
- On the **FILE** menu, click **SERVER PROPERTIES**.
- On the **FORMS** tab, select the **CREATE A NEW FORM** check box.

Enter the settings for the new form.

NOTE: When you set up a custom form, the margins cannot go beyond the confines of the specifications for the installed printer driver. Printable regions must be adhered to with regard to margin limits for the printer and driver in use.

- Click **SAVE FORM** or **OK**

To use the new form as the default form, follow these steps:

WINDOWS NT

- In **CONTROL PANEL**, double-click **PRINTERS**.
- Right-click the printer you want to select, and then click **DOCUMENT DEFAULTS**.
- In the **PAPER SIZE** box, click the new form**.**
- Click **OK**.

WINDOWS 2000 AND XP

- In **CONTROL PANEL,** double-click **PRINTERS**.
- Right-click the printer you want to select and then click **PROPERTIES**.
- On the **GENERAL** tab, click **PREFERENCES**.
- On the **PAPER QUALITY** tab, click **ADVANCED,** and then in the **PAPER SIZE** drop down menu, select the custom form size.
- Click **OK**.

To use the new form from a program, follow these steps:

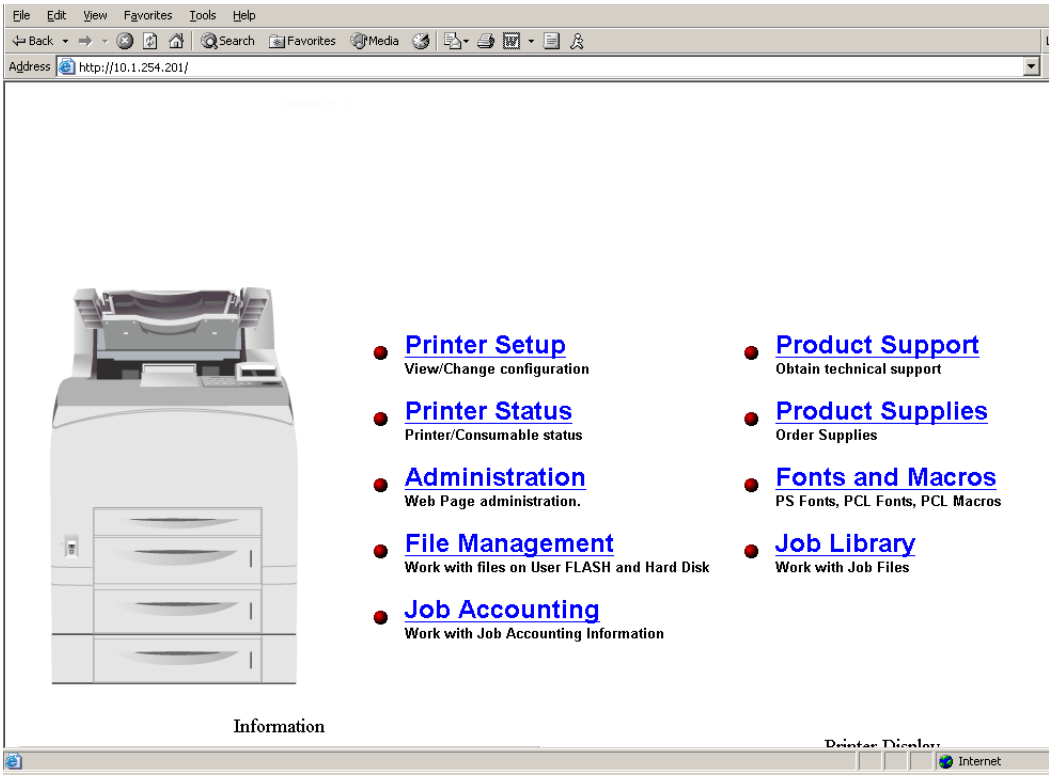
- In the program, click **PRINT.**
- In the **PRINT** dialog box, click **PROPERTIES**.
- In the **PAPER SIZE** box, click the new form.
- Click **OK**.
- Click **OK** to print.

NOTE: New forms are stored on the computer where they are created. When you create a new form for use with a shared printer, create the form on the print server.

NOTE: On a Windows 2000 and XP computer, occasionally the newly created form will not appears in the drop down list under paper size. If you encounter this, you may need to select an existing form under server properties, modify the settings, check box to create a new form, change the form name and save the form. Once you save the form, it should appear in the paper size drop down box.

Accessing the Printer Web Page

You can access the printer web page by going to the internet browser and typing the IP address of your network printer (http://IP ADDRESS). You can directly access the printer control panel on the web and it allows you to view and change the printer settings. Following is an example of the printer web page:



When you access the printer web page it will display your printer name and logo and provide access to the following menus:

Main Page of Printer Web Site	Submenu 1 of Printer Web Site	Submenu 2 of Printer Web Site
Printer Setup You can view and change printer configuration. With access to the following menus:	*Paper Menu* Provides access to the printer settings for various paper-handling functions:	Copies Duplex Duplex Bind Default Source Manual Feed Output Tray Media Size/Type Tray Linking Job Offset Blank Pages Auto Resize Separator Page Custom Size Unit
	Interface Menu Provides access to the printer interface settings:	Port Parallel Network 1 USB Parallel Setup Interpreter Format Mode Delay Out Close Network 1Setup Interpreter Format Network Address IP Address Subnet Mask Default Router LPD Banner DHCP Delay Out Close Host Name mDNS Local Link mDNS Host Name mDNS Svc Name Multi-Session AppleTalk Current Zone Preferred Zone Binary PS Factory Defaults Connection Speed USB Setup Interpreterr Format Delay Out Close Binary PS
	PS Menu Provides access to the PostScript settings:	Print PS Errors Manual Feed TO

Main Page of Printer Web Site	Submenu 1 of Printer Web Site	Submenu 2 of Printer Web Site
	PCL Menu Provides access to the PCL settings:	Orientation Font Source Font Number Pitch Symbol Set Macro Filter Lines Per Page CR Mode LF Mode FF Mode Print Area Parameter Values Paper Source Paper Size
	System Menu Provides access to the system settings:	Factory Defaults Display Language Alarm Control Power Saver Wait Timeout Job Timeout Jam Recovery Hex Print Intellifilter
	Quality Menu Provides access to the printer settings that are related to print quality:	Resolution Toner Saver
	Color Menu Contains the settings related to the quality of printed color:	Screening Mode Rendering Intent Color Matching Alignment
	Email Setup Provides access to the following settings which allow the administrator to set parameters for specific conditions and have an email alert sent to specific addresses.	Email Server Settings: *SMTP Server IP Address* *Enable Authentication* *User Name: (for Authentication)* *Password: (for Authentication)* *Printer Email Address* *Reply-To-Address* Email Address Settings: *Example:jsmith@abc_co.com* Email Alert Conditions: *Re-send Interval* *Off Line* *Consumables* *Toner Low/Toner Out* *Paper Low/Paper Out* *Paper Jam* *Cover Open* *Stacker Error* *Mass Storage Error* *Recoverable Error* *Service Call Required* Email Signature Settings

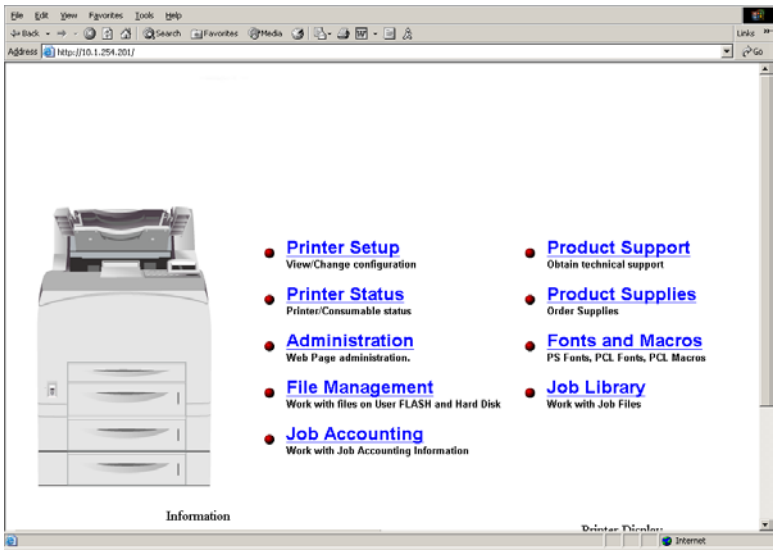
Main Page of Printer Web Site	Submenu 1 of Printer Web Site	Submenu 2 of Printer Web Site
Printer Status Displays printer option and consumables status. You can view the current settings for the Input options on your printer and the Output options installed.		
	Input	Displays paper trays and the paper size, type and capacity levels of all installed trays and options.
	Output	Displays output paper trays and capacity level.
	Consumable Information	Displays all four toner cartridges and percentage used. Also displays the Color Page Count, BTR Pages, Fuser Pages, and Drum Time.
	Other	Sheet Counter Image Counter
Administration Displays security and factory defaults. Allows you to set up support and supplies web links.	*Factory Defaults*	
	Console Security	
	Refresh Rate	
	Support Link	
	Supplies Link	
File Management Allows you to access (print or delete) files stored on your Hard Disk or User Flash.		
Only appears if User Flash is installed.	*User Flash Files*	You can view contents of folder, retrieve files or delete print files.
	Format User Flash	Allows you to format your User Flash.
	Print User Flash Summary	Prints a summary page of the files stored in the User Flash.
Only appears if Hard Disk Option is Installed.	*Hard Disk Files*	You can view contents of folder, retrieve files or delete print files.
	Format Hard Disk	Allows you to format your Hard Disk.
	Print Disk Summary	Prints a summary page of the files stored on the Hard Disk.
Job Accounting View, retrieve, or reset job accounting information.		
	Enable/Disable	Click Yes or No to Enable or Disable Job Accounting
	Retrieve Job Accounting File	Retrieve a job file and upload the file information to a CSV file.

Main Page of Printer Web Site	Submenu 1 of Printer Web Site	Submenu 2 of Printer Web Site
	Display Job Accounting Info	Displays all job information such as job name, user name, port, protocol, pages, date/time and duration.
	Reset All Job Accounting Info	Deletes all stored Job Accounting information.
Product Support Direct link to obtain technical support	*Takes you to the Product Support Website where you can obtain technical support.*	
Product Supplies Direct link to order supplies	*Takes you to the Product Supplies Website where you can order product supplies.*	
Fonts and Macros Allows you to view the PostScript Fonts and PCL Fonts, stored internally on your printer. Also allows you to view Macros stored on your Hard Disk or User Flash Options.	*PS Fonts* *PCL Fonts* *Macros*	
Job Library Takes you to the job library where you can view all user folders and print jobs. Also allows access to print or delete all files stored in your job library on your Hard Disk or User Flash Option. Allows you to save private jobs with a PIN.	*View contents of user folder.* *Retrieve files.* *Delete or print selected files.*	

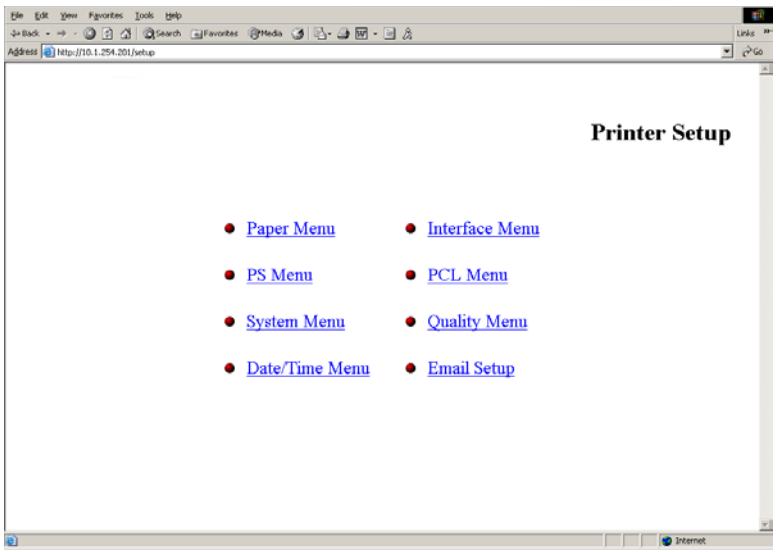
Printer Setup

Go to your web browser and type in your printer web address. The printer web page will appear.

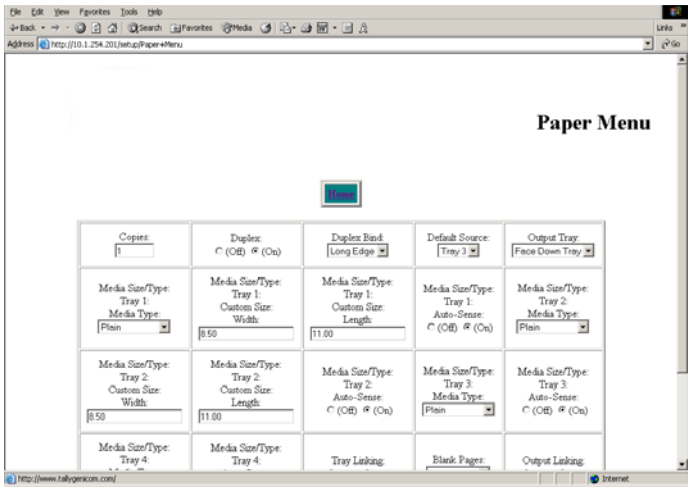
1. Click on Printer Setup.



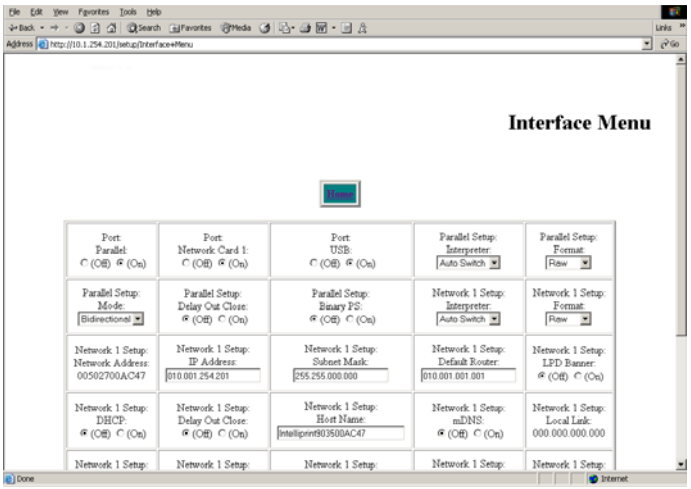
2. When you enter the Printer Setup Menu, you have access to the Paper Menu, Interface Menu, PS Menu, PCL Menu, System Menu, Quality Menu and Email Setup.



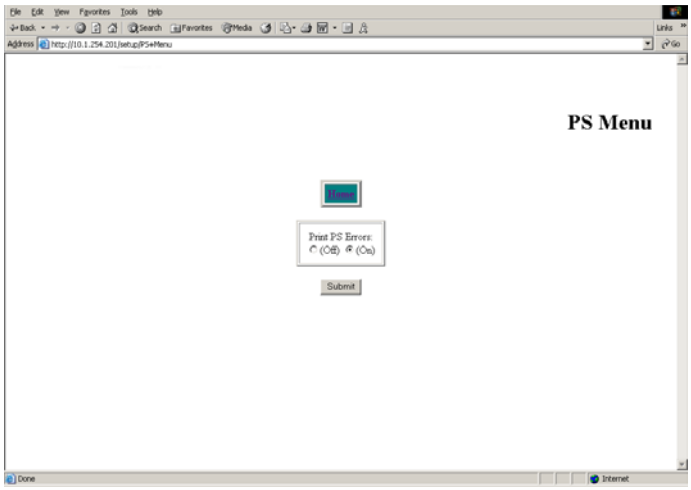
3. The Paper Menu allows the user to access and change the paper menu settings.



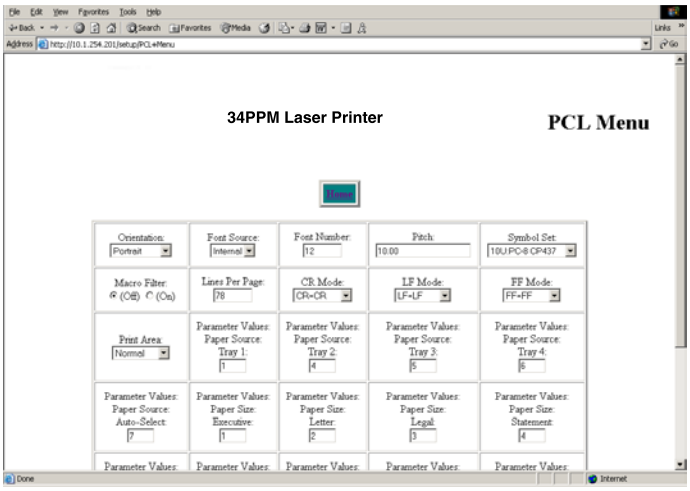
4. The Interface Menu allows the user to access and change the interface settings.



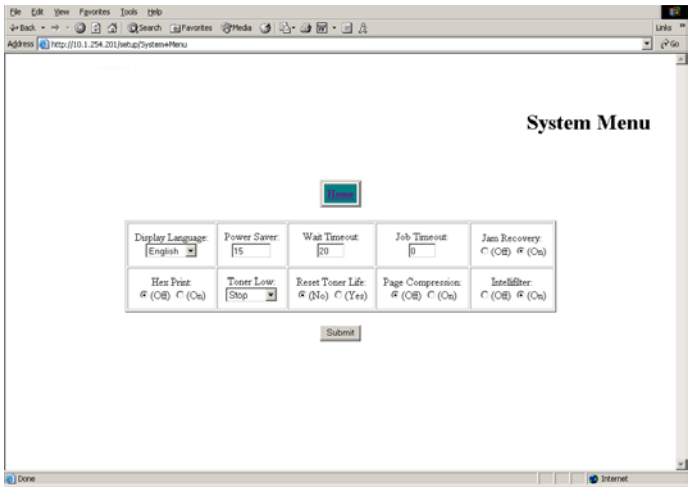
5. The PS Menu allows the user to access and change the Post Script Menu settings.



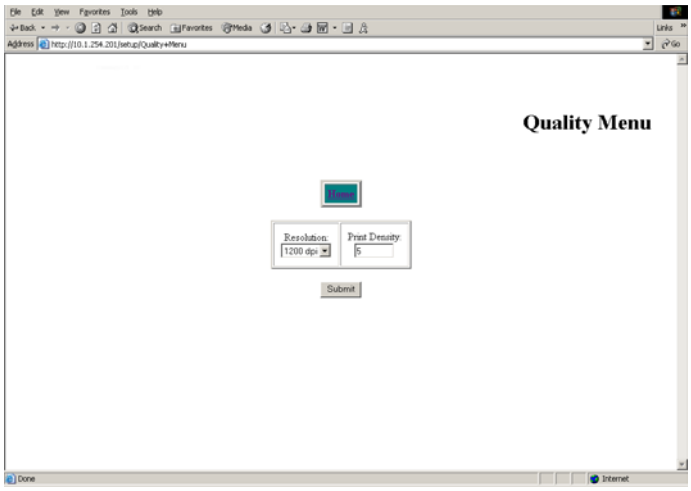
6. The PCL Menu allows the user to access and change the PCL settings.



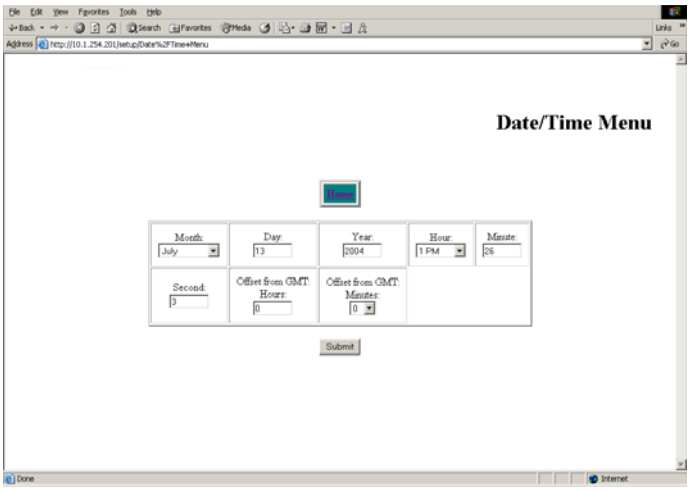
7. The System Menu allows the user to access and change the System Menu settings.



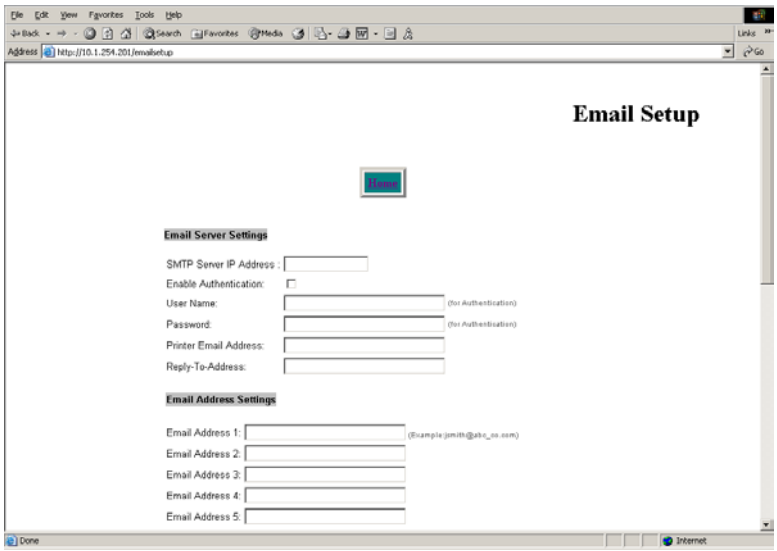
8. The Quality Menu allows the user to access and change the Quality Menu settings.



9. The Date/Time Menu allows the user to access and change the Date.



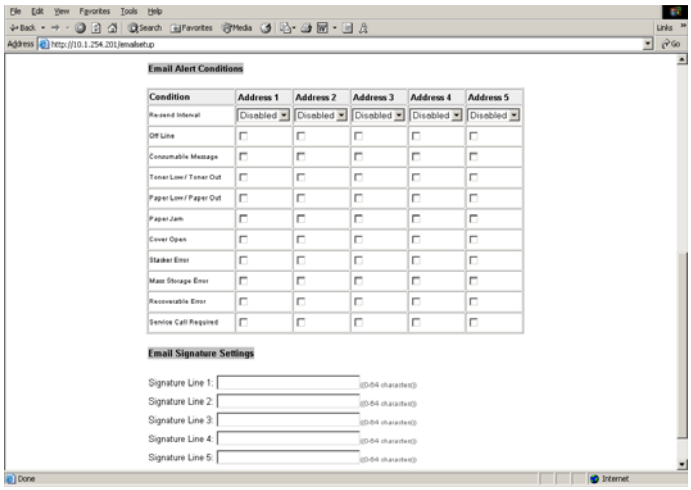
10. The Email Setup Menu allows you to configure the printer to send email messages when certain status conditions occur.



Email Server Settings

1. SMTP Server IP Address : Enter the IP address for the SMTP server that the printer will use to transmitt the email messages.
2. Enable Authentication: Check this box if the SMTP server requires authentication.
3. User Name: (for Authentication) Enter the name of a user who is authorized to access the SMTP server.
4. Password: (for Authentication) Enter the password for the user who is authorized to access the SMTP server.
5. Printer Email Address: The character string configured here will be used in the “FROM” field of the email message.

6. Reply-To-Address: The character string configured here will be used in the “REPLY TO” field of the email message.



Email Address Settings/Email Alert Conditions

You can configure 1 – 5 destination email addresses. For each of these destination email addresses you can configure which status conditions will cause an email to be sent. In addition, a resend interval can be set for each address, which determines if or how often the email message should be resent, as long as the condition persists.

Email Signature Settings

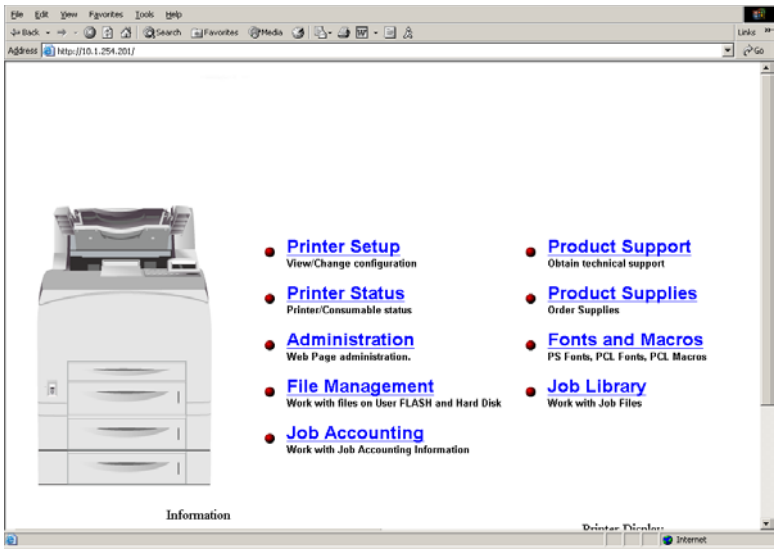
These are text strings that are appended to the end of the email messages. They can be used to provide helpful hints/reminders to receprients of the status email messages.

Job Accounting

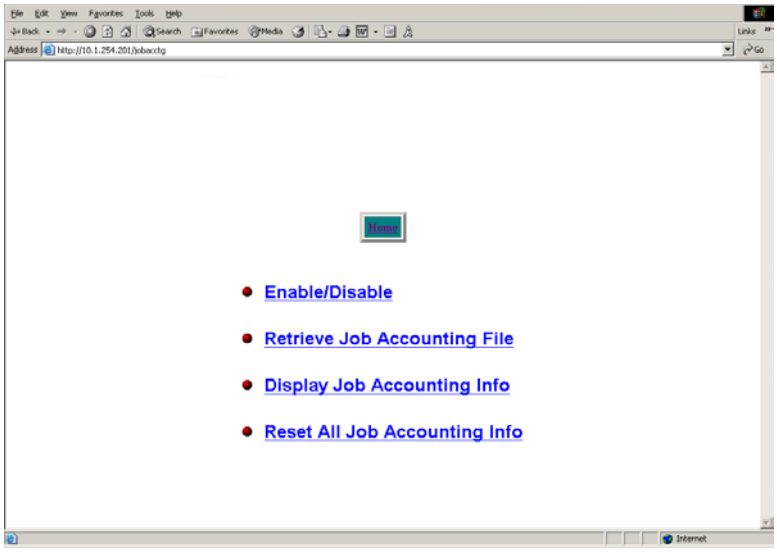
Web Page Access

Go to your web browser and type in your printer web address. The printer web page will appear.

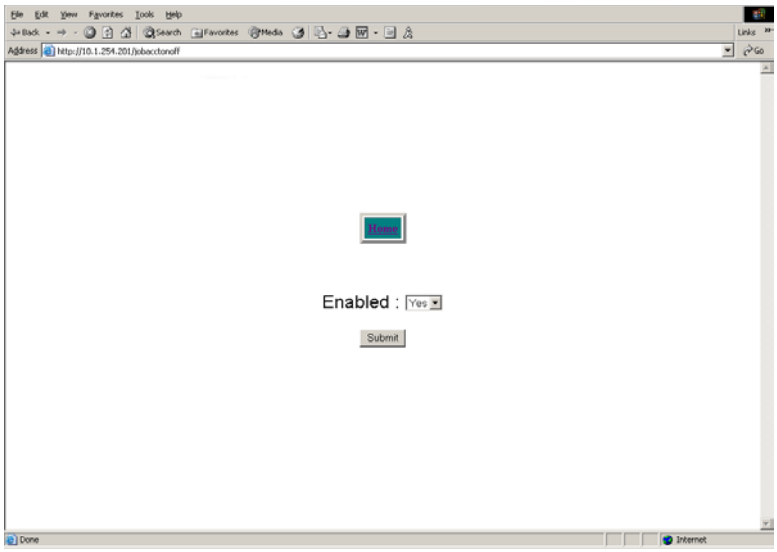
1. Click on Job Accounting.



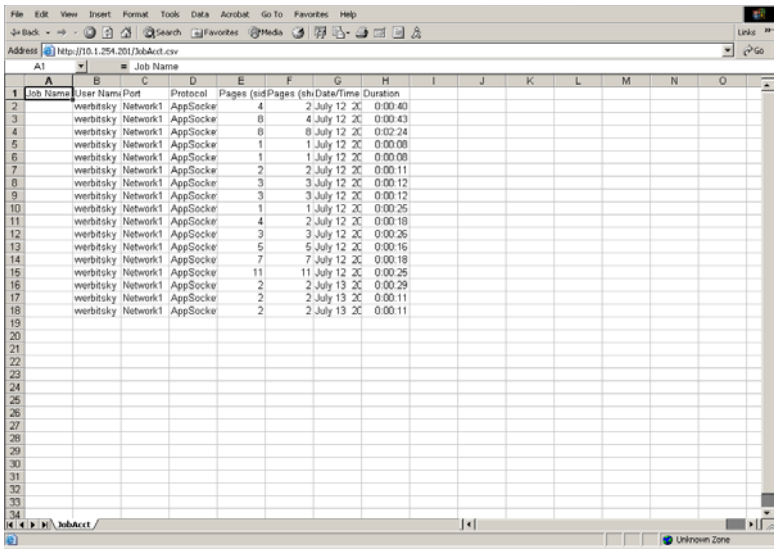
2. When you enter the Job Accounting field the following options appear:



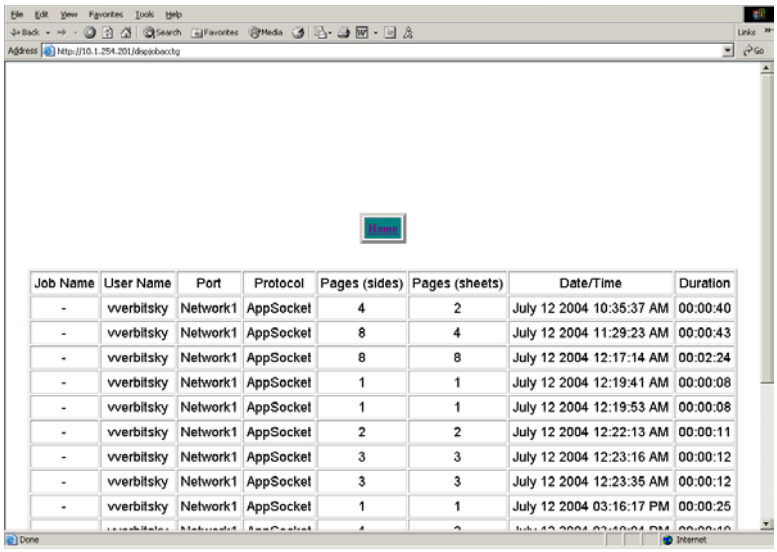
3. When you click on Enable/Disable it will take you to the following screen. Click Yes or No to Enable or Disable Job Accounting.



4. When you click on Retrieve Accounting Files it will upload the file information, which is stored in a .CSV file.



5. When you click on Display Job Accounting Info it will bring you the following screen which displays all your job information.



Job Name	User Name	Port	Protocol	Pages (sides)	Pages (sheets)	Date/Time	Duration
-	vverbitsky	Network1	AppSocket	4	2	July 12 2004 10:35:37 AM	00:00:40
-	vverbitsky	Network1	AppSocket	8	4	July 12 2004 11:29:23 AM	00:00:43
-	vverbitsky	Network1	AppSocket	8	8	July 12 2004 12:17:14 AM	00:02:24
-	vverbitsky	Network1	AppSocket	1	1	July 12 2004 12:19:41 AM	00:00:08
-	vverbitsky	Network1	AppSocket	1	1	July 12 2004 12:19:53 AM	00:00:08
-	vverbitsky	Network1	AppSocket	2	2	July 12 2004 12:22:13 AM	00:00:11
-	vverbitsky	Network1	AppSocket	3	3	July 12 2004 12:23:16 AM	00:00:12
-	vverbitsky	Network1	AppSocket	3	3	July 12 2004 12:23:35 AM	00:00:12
-	vverbitsky	Network1	AppSocket	1	1	July 12 2004 03:16:17 PM	00:00:25

NOTE: Only products that have real time clock support will provide the Date/Time information.

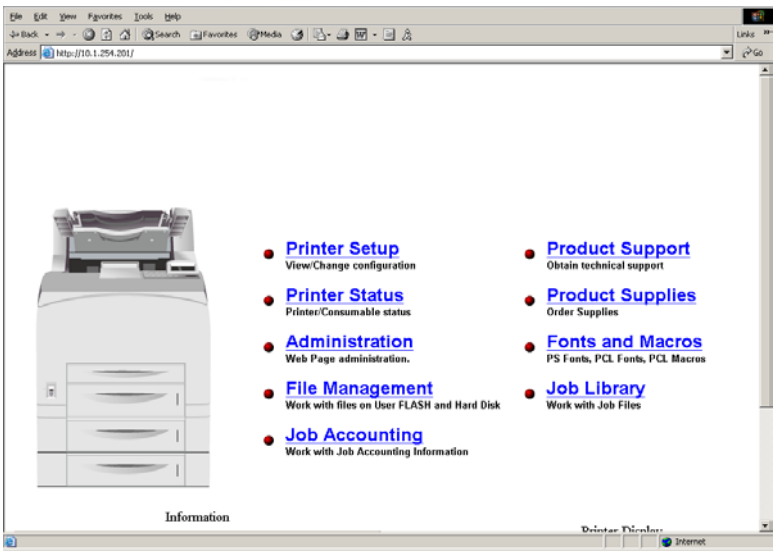
6. When you click on Reset All Job Accounting Info, all printer job information will be deleted.

File Management

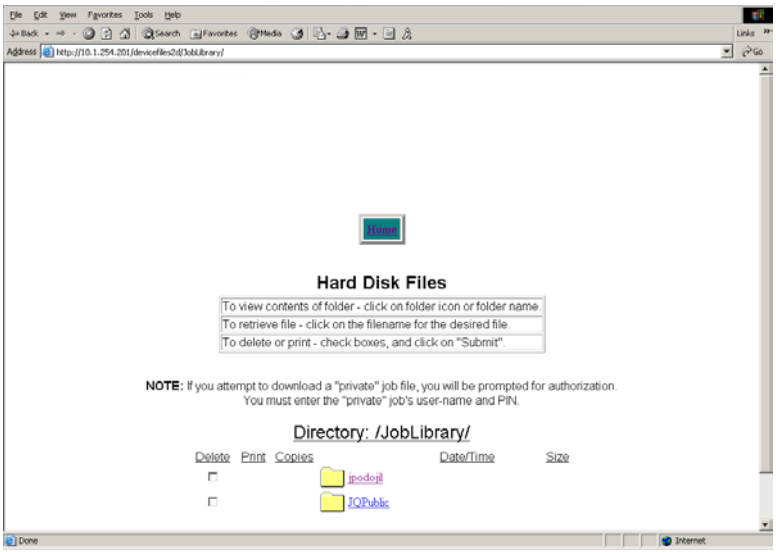
Web Page Access

Using the printer web page, you can delete, print, or download any job files stored in the job library. Go to your web browser and type in your printer web address. The printer web page will appear as follows:

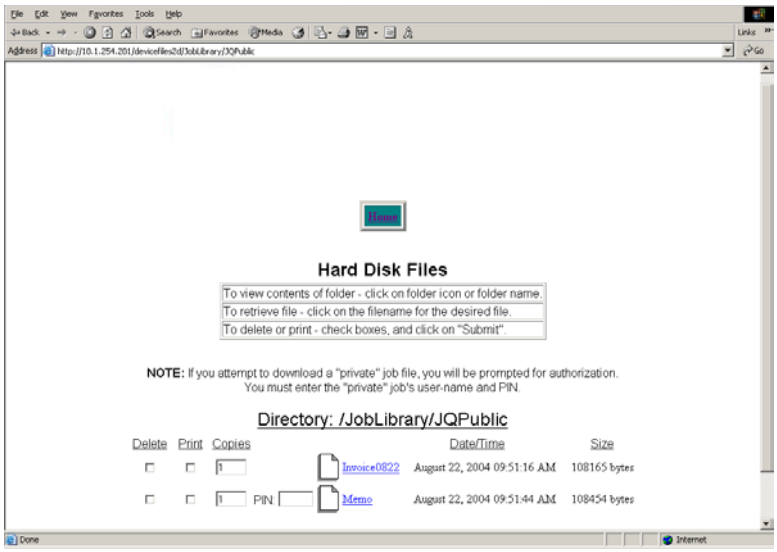
1. Click on Job Library.



2. Click on the folder icon or name to view the printer jobs in the user folders.


Hard Disk Files
To view contents of folder - click on folder icon or folder name.
To retrieve file - click on the filename for the desired file.
To delete or print - check boxes, and click on "Submit".
NOTE: If you attempt to download a "private" job file, you will be prompted for authorization.
You must enter the "private" job's user-name and PIN.
Directory: /JobLibrary/
Delete
Print
Copies
Date/Time
Size
jpodojil
TQPublic

3. The printer job information will appear. If there is a PIN number associated with the file, you will be required to enter the correct PIN number to access the print file.


Hard Disk Files
To view contents of folder - click on folder icon or folder name.
To retrieve file - click on the filename for the desired file.
To delete or print - check boxes, and click on "Submit".
NOTE: If you attempt to download a "private" job file, you will be prompted for authorization.
You must enter the "private" job's user-name and PIN.
Directory: /JobLibrary/JQPublic
Delete
Print
Copies
Date/Time
Size
Invoice0822
August 22, 2004 09:51:16 AM
108165 bytes
PIN
Memo
August 22, 2004 09:51:44 AM
108454 bytes

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Appendix A

Consumables

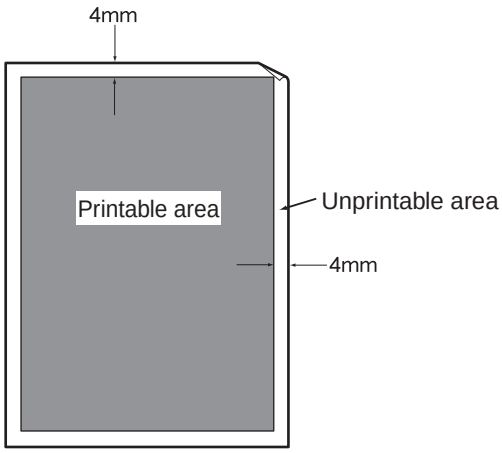
In this Chapter . . .

- "Specifications" on page A-2
- "Expected life of Consumables" on page A-3

Specifications

Machine type		Desktop
Printing system		Laser xerography
Printing speed		34 sheets/minute (for continuous printing of the same A4-sized document)
Warm-up time		Maximum of 17 seconds from power on at 22° C
Resolution		1200 dots/25.4 mm and 600 dots/25.4 mm
Paper feed		Auto
Paper size		A4, A5, A6 1/3 A4, B5 JIS, B5 ISO, 8.5 × 11" (Letter), 8.5 × 13" (Legal 13), 8.5 × 14" (Legal 14), 7.5 × 11.5" (Executive), 5.5 × 8.5" (Statement)
Paper type		Plain, Thick1, Thick2 paper (60-216 g/m2), transparencies, envelopes*, labels* *some envelopes and labels cannot be used due to the paper quality and size
Paper supply (standard paper)	Paper tray (standard paper)	Paper tray (A4/150 sheets): 150 sheets Paper tray (A4/550 sheets): 550 sheets
	Paper tray (optional)	Paper tray (A4/550 sheets): 550 sheets
Output tray capacity		500 sheets (64 g/m^2)
Operating noise		53.6 db(A) or less during operation, 27 db(A) or less during standby mode
Power		100 V ± 10%, 50/60 Hz ± 3 Hz 220 V ± 10%, 50/60 Hz ± 3 Hz
Maximum power consumption		995 W or less during operation 13 W or less during standby mode
Dimensions		422 (W) × 465 (D) × 404 (H) mm *before installing paper tray and when paper tray is contracted
Weight		21.0 kg* *before installing paper tray

Printable area



Expected life of Consumables

Toner Cartridge

Type of Toner Cartridge	Possible number of pages printed
17 Kpv	About 17,000 sheets

The possible number of pages that can be printed is based on Letter size paper with a print ratio of 5% and the default density setting. The number of pages that actually can be printed varies according to the conditions of use.

Paper size	Letter size
Paper feeding direction	Short edge feed
Paper	Standard paper
Print ratio	5%
Print density	Default setting values

Fuser unit, transfer roll cartridge and feed roll

Regular replacement parts	Possible number of pages printed
Fuser unit	About 200,000 sheets
Transfer roll cartridge	
Feed roll	

The possible number of pages that can be printed is based on Letter size paper with a print ratio of 5% and the default density setting. The number of pages that actually can be printed varies according to the conditions of use.

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